



TOP QUALITY
AUTO ELECTRIC PRODUCTS CO., LTD.

2015 Vehicle Catalogue



Quality

Honesty

Professional



Company Profile

AES was established in 1979 and involved in automobile and marine electrical spare parts manufacturing over 30 years. Certified by ISO 9001 since year 2000, AES continues improving the management systems, production standardizations and testing techniques.

Based on our management philosophy: Professional, Honesty and Quality, **AES** is proud of maintaining long-term partnership with all customers. The company renovation was completed in March, 2009. **AES** is ready to embrace new change – a fully quality and customer oriented era.

Quality Policy

- Top Quality
- Research and Development
- Customer Satisfaction

Company Goal

World Class **SWITCHES** Manufacturing



Contact AES For Marine Switthes Catalogue

- Ignition Starter Switches
- Battery-Related Products
- Relays
- Solenoids & Contactors
- Push Pull & Push Button Switches
- Pump Switches & Emergency Cut-Off Switches
- Rocker Switches
- Panel Sets
- Navigation & Interior Lamps
- Steering Cables and Control Cables



HARDWARE catalogue for door lock, handle, key set, window regulator and power window is also available.



AES own laboratory:

- Capacity for endurance testing in house for most switches up to **2,500Amps** at **24VDC**.
- Test Machine for Rotary type, such as key switch.
- Test Machine for Push type.
- Temperature & Humidity Chamber: temp performs from - 40°C ~ 120°C.
- Salt Spray Test Machine



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1214-41-7PS	89	1411-22	10	1511-204-24 (C173-3T)	34	ZE700S	28
1214-41-8	89	1411-23	10,91	1511-205-12 (E2055)	34		
1214-41-8H	89	1411-23A	10,91	1511-205-24	34		
1214-42-1	89	1411-28	10	1511-207-2	34		
1214-42-1H	89	1411-28A	10	1511-211	34		
1214-42-3	89	1411-29	10	1511-301D	35		
1214-42-3H	89	1411-29A	10	1511-301H	35		
1214-42-4	89	1411-29B	10	1511-302H	35		
1214-42-4H	89	1411-30	11	1511-303D	35		
1214-42-5H-CS	89	1411-31	45,91	1511-303H	35		
1214-42-5H-PS	89	1411-31A	45	1511-304D	35		
1214-42-5H-US	89	1411-31B	45	1511-304H	35		
1214-42-5H-VS	89	1411-31C	45	1511-41	94		
1214-42-5PS	89	1411-32	11	1610-BF	30		
1214-42-5PS-VM	89	1411-33	11	1610-MIBF	30		
1214-42-6	89	1411-33B	11	1611-01	30		
1214-42-6H	89	1411-34A	24	1611-02	30		
1214-42-7H-PS	89	1411-34B	24	1611-03	30		
1214-42-7PS	89	1411-34C	24	1611-04	30		
1214-42-8	89	1411-35	46	1611-05	30		
1214-42-8H	89	1411-35	91	1611-L01	30		
1214-43-CS	85	1411-36	46	1611-L02	30		
1214-43-PS	85	1411-36	91	1612-01	30		
1214-43-R	85	1411-37	11	1612-02	30		
1214-43-TVM	85	1411-38	11,91	1612-03	30		
1214-43-US	85	1411-40A	45	1612-04	30		
1214-43-VS	85	1411-40B	45	1612-05	30		

Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1111-LC-1

Valley Forge # LP-96
Standard # US-66L
General # 1427
Lock Cylinder
AM: 8120081
GM: 7025216
American Motors 1971-'80
GM Cars '69
Jeep '84-'73

**AES-1111-LC-2**

Valley Forge #LP-91
Echlin # KS6842
Standard # US-61L
Wells # LS-439C
General # 1426
Lock Works # 14260
Lock Cylinder 1155883, 3981938,
3990946, 7040390, 7046398,
7047678, 12300443, 20071252
Buick 1969-'80 Chevy II 1969-'80
Cadillac 1970-'80 GMC 1973-'80
Chevrolet 1969-'80 Jeep 1971-'77
Chevrolet Truck 1969-'80
Oldsmobile 1969-'80

**AES-1111-LC-3**

Valley Forge # LP-112
Echlin # KS-6634
Standard # US-107L
Wells # LS-500C
General # 1428
Lock Works # 14280
Lock Cylinder
AM: 8963501971
GM: 7830380,
7833759, 20496701
General Motors 1978-'83

**AES-1111-LC-4**

Valley Forge # LP-94
Echlin # KS-6625
General # 1407
Wells # LS-311C
Standard # US-104L
Lock Works # 14070

Lock Cylinder
D8AZ, D8BZ,
D9AZ-11582A,
SW-1500, 1525,
1543, 1650, 1807,
1818, 1823
Ford '89-'79
Ford Trucks '80-'84
Mercury '89-'78

**AES-1111-LC-5**

Standard # US-69L
Lock Works # 14050
Lock Cylinder
D4AZ, D4VY-11582A,
SW-1190, 1191, 1609,
1647, 2062
Ford Truck '88-'85, '80

**AES-1111-LC-6**

General # 1446
Lock Works # 14460
Lock Cylinder
3670672, 3670673,
3695555, 3695556
Chrysler 1972-'78
Dodge 1972-'78
Plymouth 1972-'78

**AES-1111-LC-33**

Lock Cylinder
Mercedes-Benz
A 126 460 0604

**AES-1111-LC-34**

Lock

**AES-1111-LC-35**

Lock



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

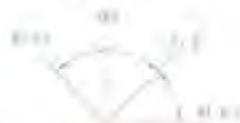
Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1111-11

ISC-8R
222124-5200

For Toyota, Mitsubishi,
Hino Truck & Bus.
6 Screw Terminals.



AES-1111-11A

Ignition Starter Switch
6 Screw Terminals.
With 2 Plates



AES-1111-11B

Same as AES-1111-11A,
except with wire & connector



AES-1111-12

ISC-8
SS-54-3

Use for Isuzu Bus & Truck
6 screw terminals.



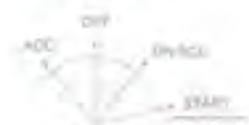
AES-1111-13



AES-1111-14

ISC-4
221011-5200

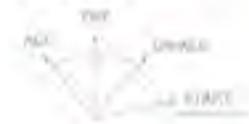
Use for Toyota-RS, RK-FJ-FA
4 Screw Terminals.



AES-1111-15

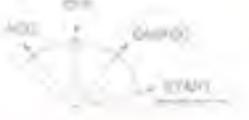
5-79100972-0
Isuzu KB-20

Mitsubishi COLT L300
With double sided key



AES-1111-16

Use for Datsun
620, 720 Pick up
25150-85000,
25250-89800
For Nissan



AES-1111-17

ISC-10

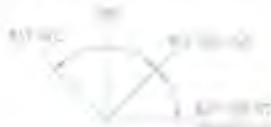


Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1111-18Valley Forge # LS-15
General # 1214
Standard # US-14
Echlin # KS618012VDC, 30Amps Universal Type,
924918, 4 stud Terminals (#10-32 thread).
Mounting Stem 7/16" long, 3/4" Dia.,
2 Brass Keys, 1 1/8" Mounting Nut.
Delco U-1403

standard key plastic headed key

AES-1111-18A

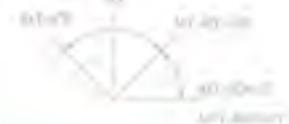
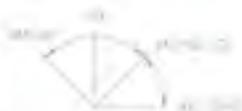
Universal Type

**AES-1111-18A-M**

Pollak # 31-180

Ignition Starter Switch
4 stud terminals (#10-32 thread).
12VDC 30Amps**AES-1111-18B**

Standard # 3187

Universal Ignition Switch
Complete With Anti-Restart.**AES-1111-18C**Cole Hersee # 956-3124
Pollak # 31-253Anti-Restart Ignition Switch 12VDC
Accessory: 10A
Ignition: 10A
Start: 5A
Ground: 1A
4 stud terminals
(#10-32 thread).**AES-1111-19**ISC-9
221067-5200Use for Toyota
4 Terminals (Plug-in Type)
With double sided key.**AES-1111-19A**Same as AES-1111-19,
except with Face Plate.**AES-1111-19M**Ignition Starter Switch
No contact at OFF position
4 plug-in terminals.**AES-1111-20**ISC-7
221035-5200Use for Toyota
4 Terminals (Screw Type)
With double sided key.**AES-1111-21**

ISC-5R

**AES-1111-21A**

ISC-4R



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1111-22

Universal Type
3 Terminals (Screw type)
Off-On-Start
221019-5200, ISC-5
Fit: Mitsubishi A-10, Mini Car 360, Colt 600
Mounting Hole: 22mm



AES-1111-22A

Ignition Starter Switch
12VDC, 20Amps
OFF-ON-START
Same as AES-1111-22, except with
Mounting Hole: Max 22mm, Min 20mm



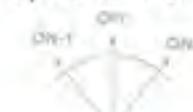
AES-1111-23

General # 1204
6VDC 15Amps, 12VDC 10Amps
Universal Type
Double Throw, Three Terminals
Key Removable in "Off" Position only.
Mounting Stem 3/4" long,
3/4" Dia., Two Brass Keys



AES-1111-23A

General # 1206
Delco # U-1402
6VDC 15Amps, 12VDC 10Amps
Universal Lock Switch
Three Stud Terminals:
One terminal is 3/4" long and
two terminals are 1/2" long.
Key removable in "Off" Position Only. Delco U-1402



AES-1111-24

General # 1202
Standard # US-64
Delco # U-1400
6VDC 15Amps, 12VDC 10Amps Universal
Type Single Throw,
Two Terminals, Key Removable in "Off" Position Only.
Mounting Stem 3/4" Long, 3/4" Dia., Two Brass Keys.
Delco U-1400



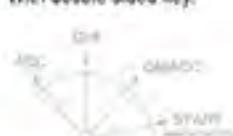
AES-1111-24B

Same as AES-1111-24
Except with Plug-in Terminals &
Plastic Headed Keys.



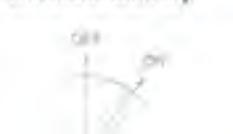
AES-1111-25

IG-017
Use for Mazda B-1600
0596-75-980
D37Z-1172-A
With double sided key.



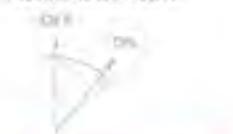
AES-1111-26

Universal Type
2 Terminals, Use for Any Car
With double sided key.



AES-1111-27

Key Switch
10 Amps, Off-On,
Key can be removed in either
Off or On Position.
Complete with 2 Keys and
Screw Terminals.
Mounts in 5/8" Hole.



AES-1111-27-C

Same as AES-1111-27,
except with Cover.



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

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AES-1111-28Valley Forge # LS-37
General # 1140
Echlin # KS6146Switch With Lock Cylinder and Keys
167609R91, AM 947399,
Delco 1116513, 1116616, 947399,
D-1494; IHC, 167603R91,
344688C91, 347602CL; Jeep 946435,
IHC Trucks 1957-'83 Jeep 1962-'72**AES-1111-34**General # 1204
Valley Forge # LS472Switch Complete With Lock and Keys
2097628, 2497158, 2864258, CH-2544,
CH-2548 Chryslers 1965-'68
Dart 6, 8, 1967-'68 Dodge 6, 8, 1967-'68
Dodge truck 1972-'68
Imperial Plymouth 6, 8, 1967-'68
Valiant 6, 8, 1967-'68**AES-1111-35**Valley Forge # LS-112
General # 1128
Standard # US-105
Echlin # KS-6622
Wells # LS-309AM: 3197598, 8126890
GM: 2947719, 1990096, 099, 106,
110, 116, D-1405B, D-1405A, D-1412A,
1415A, 1423A. With or Without Tilt Steering
Chrysler 1970-76 Dart 1970-76 Dodge 1970-76
Plymouth 1970-76 Valiant 1970-76
Ignition Switch AES-1111-35 has the bracket reversed
and is for vehicles with tilt steering columns.

ACC
LOCK
OFF
RUN
START/GRD

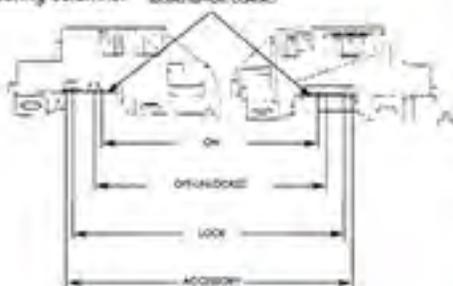


Fig. 1

AES-1111-35A Standard Steering Column

Fig. 2

AES-1111-35 Tilt Steering Column

AES-1111-35AValley Forge # LS-113
General # 1127
Standard # US-95
Echlin # KS-6623
Wells # LS-442D-1404B, 1990115, 3250576, 7809811
AM: 3197599, 3250576, 8122681, 8128889
GM: 1990105, 109, 115; 7909811 D-1407A,
D-1420A, D-1422A With Tilt Wheel
Ignition Switch AES-1111-35A is for vehicle
with standard steering columns.

ACC
LOCK
OFF
RUN
START/GRD

**AES-1111-36**Valley Forge # LS-115
General # 1052
Standard # US-102
Echlin # KS 6628Used Without Tilt Steering Aspen 1979-'80
Caravelle 1982 Cordoba 1980-'82
Diplomat 1979-'82 Fury 1980 Horizon 1980
Lebaron 1979-'82 Mirada 1980 Newport 1979-'80
New Yorker 1979-'81 Omni 1980 St. Regis 1979-'80
Volare 1979-'80 Chrysler Corp. Cars '87-'89**AES-1111-37**Valley Forge # LS-105
General # 1125
Echlin # KS 66081116683, 1116695, 1116709,
11167111, 1116712, D-1403A,
D-1480A, D-1498A With Lock Cylinder
Chevrolet & GMC Truck '67-'90
Without Lock Cylinder-KS 6603
Lock cylinder-KS 6491**AES-1111-38**General # 1019
Standard # US-45
Echlin # KS 6598Wells # LS-302D0T2-11572A,
SW-944 Ditz 11572A Ford
Truck 1968-77 Ford Medium
Duty Trucks '70-'94 Valley
Forge # LS-110**AES-1111-39**111 905 865
For VW74-'86**AES-1111-40A**111 905 865K
For VW

Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

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AES-1111-79

For Renault
80.00783941



AES-1111-80

Standard # US-123KA

Universal Type 3 Position Ignition Switch with Lock Cylinder and Hencol Type Keys. Spring Return from Start Position, Key Removable in 'Off' Position. Three Screw Terminals, Weatherproof 'O' Ring Seals. Mounting Stem Diameter: 5/8" Mounting Stem Length: 7/16" 12 VDC, 10Amps Ignition Circuit 12VDC, 5Amps Start Circuit



AES-1111-81

ACC # 4043
Echlin # KS6636
General # 1024
Standard # US-112
Valley Forge # LS-122
Standard # US-112
SW1916,
E4UZ-11572A,
E0UZ-11572-A
Ford Truck '80-'83



AES-1111-82

ACC # 4312
Echlin # KS4424
Valley Forge # LS-121
General # 1023
SW-1744B, E6FZ-11572A,
E2AZ-11572A Ford,
Mercury '78-'86
Ford Truck '83-'89
Lincoln '80-'86



AES-1111-83

ACC # 4042
Echlin # KS6635
General # 1022
Standard # US-98
Valley Forge # LS-116
SW-1562A, SW-1471, 1471A,
1744, 1744-A,
E4FZ-11572A, D88Z-11572-A,
E0AZ-11572-A, E4FZ-11572-A,
E2AZ-11572-A,
Ford Products 1978-'87
Mercury Products 1978-'86
Ford Truck 1983-'87



AES-1111-84

ACC # 39006
Echlin # KS6694
Standard # US-130
Valley Forge # LS-169
General # 1031
SW-2101, E7TZ-11572A
Ford Light Truck '87-'90



AES-1111-86

Ignition Switch



AES-1111-86A

Ignition Switch



AES-1111-98

Merit # 327300
Hella # 4008
4 Position Ignition Switch
Mounting opening 25mm dia.
Rating: 12VDC
Accessories: 15A
Ignition: 25A
Start: 12A



AES-1111-99

1955-56 CHEVROLET/CMC TRUCK
1955-56 CHEVROLET FULL SIZE PASSNGR CAR
1955-57 CORVETTE
Replace GM# 116514, GM#116512



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

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AES-1111-29

For Nissan Motor
With Anti-Restart Function

**AES-1111-30**

FOR TMC FORKLIFT

**AES-1111-31**

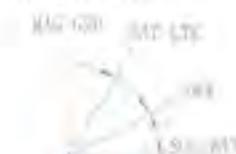
OFF-ON
Unique Key: 633

**AES-1111-85**

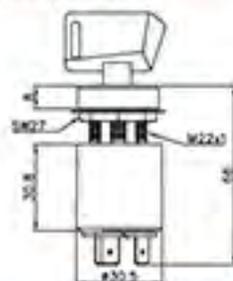
Standard # US-110
For Bosch 0 342 315 001
58862

**AES-1311-18A**

Standard # US-72
Universal Magneto ignition & Starter
Switch w/lock cylinder & keys.
4 position, 5 screw terminals,
magneto grounded in "OFF" position.
3/4" - 20 thread.

**AES-1111-100**

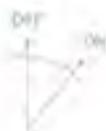
12V Ignition Starter Switch
with dust shield



AES no.	Key code & Quantity												
AES-1111-100 (REF 327432)	Single Key 14644												
AES-1111-100P (REF 327430)	50 multiple key codes												
<table border="1"> <thead> <tr> <th>Terminal</th> <th>Max. I2T</th> </tr> </thead> <tbody> <tr> <td>30-43</td> <td>2A</td> </tr> <tr> <td>30-27</td> <td>25A</td> </tr> <tr> <td>30-45</td> <td>25A</td> </tr> <tr> <td>30-50</td> <td>50A/short time</td> </tr> <tr> <td>30-50</td> <td>12A</td> </tr> </tbody> </table>	Terminal	Max. I2T	30-43	2A	30-27	25A	30-45	25A	30-50	50A/short time	30-50	12A	
Terminal	Max. I2T												
30-43	2A												
30-27	25A												
30-45	25A												
30-50	50A/short time												
30-50	12A												
AES-1111-100A (REF 327332)	Single Key 14644												
AES-1111-100A-P (REF 327330)	50 multiple key codes												
<table border="1"> <thead> <tr> <th>Terminal</th> <th>Max. I2T</th> </tr> </thead> <tbody> <tr> <td>30-75</td> <td>25A</td> </tr> <tr> <td>30-15</td> <td>25A</td> </tr> <tr> <td>30-50</td> <td>50A/short time</td> </tr> <tr> <td>30-50</td> <td>12A</td> </tr> </tbody> </table>	Terminal	Max. I2T	30-75	25A	30-15	25A	30-50	50A/short time	30-50	12A			
Terminal	Max. I2T												
30-75	25A												
30-15	25A												
30-50	50A/short time												
30-50	12A												
AES-1111-100B (REF 327032)	Single Key 14644												
<table border="1"> <thead> <tr> <th>Terminal</th> <th>Max. I2T</th> </tr> </thead> <tbody> <tr> <td>30-15</td> <td>25A</td> </tr> <tr> <td>30-75</td> <td>25A</td> </tr> </tbody> </table>	Terminal	Max. I2T	30-15	25A	30-75	25A							
Terminal	Max. I2T												
30-15	25A												
30-75	25A												

AES-1111-101

For Bosch 0342 006 004

**AES-1111-101-K11**

With Anti-Restart Function
For Bosch 034 2311 004



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1111-102-K30

Bosch # 0342 308 010

Unique Key: K30



AES-1111-103-K80

Bosch # 0342 006 001

Unique Key: E16



AES-1111-104-E30

Bosch # 0342 31 6003

Glow-Plug/Starter Switch

Unique Key: E80



AES-1411-15

For Farm Tractor Lucas 34228

MF65, MF165

1874120M93

Case New Holland 3107556R93



AES-1411-15A

For Farm Tractor

Lucas 36641B, 30811 MF135

Massy Ferguson 285, 1879120N93



AES-1411-15B

For Farm Tractor

Lucas 35630

MF 285, 1874120M93



AES-1411-15C

For Farm Tractor

Lucas 35910D



AES-1411-15D

For Farm Tractor 128SA

35327J4303

35327F



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

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Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1411-20

Push Starter Switch
8N-11500
For Ford New Holland
Farm Tractor

**AES-1411-17**

Cole Hersee # 95663-04

Dependable Magneto Ignition/Battery
Start Switch for Golf Carts, Lawn &
Garden Tractor and Similar Applications.
12VDC. Start 5 Amps.
Magneto 1 Amp.
3 Male Blade "Quick-Connect"
Terminals Accommodate 3 Pole Connector,
Packard # 2962510 or Equivalent.
Overall Size: 2 7/32" Long (Less Key) * 1 1/8" Dia.

**AES-1112-49**

Cole Hersee # 9576

Push Button Battery Ignition and
Starter Switch OFF-IGN/ACC-IGN/START
Spring return to IGN/ACC 12VDC
Accessory: 10A
Ignition: 5A
Start: 5A 4 screw terminals,
Thread: 7/16"-28

**AES-1112-49A**

Same as AES-1112-49A,
Except without knob.
Thread: 3/8"-24

**AES-1411-11**

Anti-Restart 5042408-38
Clark 2368655
Yale
7 Blades, 3 Positions.
For Forklift (plug-in)

**AES-1411-12**

For Forklift (plug-in)
With Anti-Restart Function

**AES-1411-12A**

Pollak # 31-191
4 position Ignition Switch
ACC-OFF-ON-START
With Anti-Restart Function.
12VDC
Accessory: 30Amps
Ignition: 8Amps

**AES-1411-13A**

Standard # US128
Ignition Starter Switch
3Position-OFF-IGN-START
3 screws, 12VDC.

**AES-1411-14**

For Forklift
(Screw Type)
Clark 2394129
Hyster 272041
5 Terminals

**AES-1411-14A**

Pollak # 31-272
With Anti-Restart Function

**AES-1411-14B**

Ignition Starter Switch
3 Position:
OFF-IGN-START
With Anti-Restart Function



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1411-21

Fork-lift Switch for Komatsu
08086-10000



Terminal	max. 24V
B/BR-ACC	3A/10A
B/BR-C	3A/10A
B/BR-R1	30A
B/BR-R2	30A

AES-1411-21C

Terminal	max. 24V
B/BR-ACC	3A/10A
B/BR-C	3A/10A
B/BR-R1	30A
B/BR-R2	30A



AES-1411-22

Fork-lift Switch for Toyota
54200-24551-71
Anti-restart



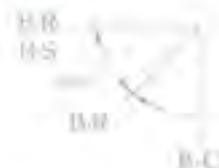
AES-1411-23

Ignition Starter Switch
For Caterpillar 7N4160,
3 terminals.



AES-1411-23A

Ignition Switch
For Caterpillar 9W1077
4 terminals



AES-1411-28

Valley Forge # SW-73
Cole Hersee # 9183

Foot Operated Starter Switch Off-On, normally Off.
On with plunger depressed, spring return to Off.
Terminal: 2 stud, 5/16" - 24 thread with hex nuts
and lock washers.
Plunger: 1" (25.40mm) long.
Replace: Autolite SW-4012(15-49)
Delco 1996478: 15-49, SW-4012



AES-1411-28A

Foot Operated Starter Switch
Off-On, normally Off.
On with plunger depressed, spring return to Off.
For Older Trucks, Farm, Industrial & Marine.
Terminal: 2 stud, 5/16" - 24 thread with hex
nuts and lock washers.
Plunger: 1.83" (46.83mm) long.
Replace: GM: 1996497
SW-4001(15-47), 15-50, 4001A, 4002, 4005,
4010, 4015 (15-51), Delco D900 (405C),
IHC 64931H Autocar 1949-'54
Brockway 1949-'64 FWD 1946-'56
Mack 1946-'64 Studebaker & Truck 1646-'55
Wilys 1953-'59 IHC Most Models

General # 2851
Standard # SS-525
Valley Forge # SW-25
Cole Hersee # 9060



AES-1411-29

Foot Operated Starter Switch
Off-On, normally Off.
On with plunger depressed,
spring return to Off.
Terminal: 1 stud, 3/8" - 16 thread,
8-32 stud for attaching external ground wire.
Plunger: 0.66" (16.76mm) long.
With Bracket
Replace: Autolite 15-201
Delco 1930496 (D906), 820052, D-902
Chevrolet 1938-'48
Chevrolet Truck 1940-'54
GMC Truck 1942-'55
IHC 1940-'49 Oldsmobile 1940-'48
Pontiac 1935-'48

General # 2850
Standard # SS-5500
Valley Forge # SW-3
Cole Hersee # 91001



AES-1411-29A

Standard # 3104
Foot Operated Starter Switch
Off-On, normally Off.
On with plunger depressed,
spring return to Off.
Terminal: 1 stud, 3/8" - 16 thread,
8-32 stud for attaching external ground wire.
Plunger: 0.66" (16.76mm) long.



AES-1411-29B

Standard # SS-521
Foot Operated Starter Switch
Off-On, normally Off.
On with plunger depressed,
spring return to Off.
Terminal: 1 stud, 3/8" - 16 thread,
8-32 stud for attaching external ground wire.
Plunger: 0.66" (16.76mm) long.



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1411-30

Ignition Starter Switch for FORD



AES-1411-32

Starter Switch
2 terminals



AES-1411-33

Universal Ignition Switch
OFF-ON

Key number: 701702



Rating:	12VDC 15Amps 24VDC 8Amps
Voltage Drop:	<250mV
Operation Force OFF→ON:	4 ± 1 Kgf-cm
Operation Angle Lock→ON:	55° ± 3°
Working Temperature:	-30°C~80°C
Electrical Endurance:	>50000 cycles
Mechanical Endurance:	>100000 cycles

AES-1411-33B



AES-1411-37

Cole Hersee # 956-3122

Heavy Duty Battery Ignition
and Starter Switch
12VDC, 10Amps Ignition
5 terminals



AES-1411-38

Ignition Starter Switch
For Caterpillar 9G7641



AES-1411-42

Ignition Starter Switch
Off-On-Start
With Anti-Restart Function
For Caterpillar 3E0156



AES-1411-42A



AES-1411-42B



Lock Cylinders

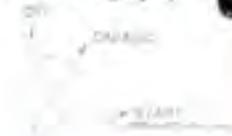
Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

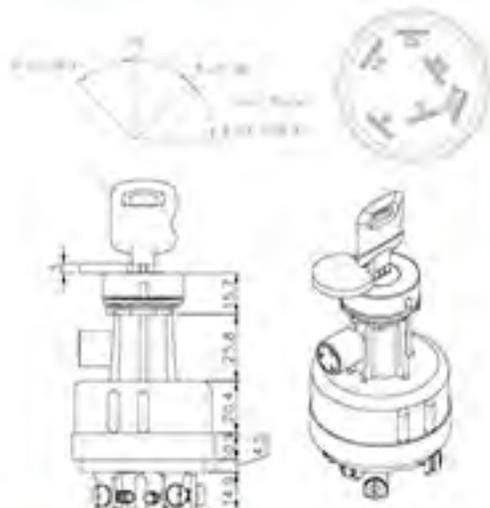
AES-1411-48

Anti-Restart 5042408-38
Clark 2368655
Yale
7 Blades, 3 Positions.
For Forklift (plug-in)



AES-1411-52

Caterpillar # TY 3918
Ignition Starter Switch



AES-1411-61



AES-1411-62



AES-1411-63

Fork-lift Switch for Komatsu
09086-10000



AES-1411-64



AES-1411-64-W5

	DC 12V	DC 24V
IR	30A	30A
ACC	30A	30A
FL. K2	30A	30A
c	WARRANTY 75A	WARRANTY 75A
	CONTIN. 60A 22A	CONTIN. 60A 22A

BATTERY (C1)	BATTERY RELAY (R)	LIGHTING (R2/R3)	BLU. PLUG (R1)	(R2)	START RELAY (C)
3.0 AX RED	1.25 AX BLACK	1.25 AX WHITE	1.25 AX GREEN		1.25 AX YELLOW



AES-1411-64-W6



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

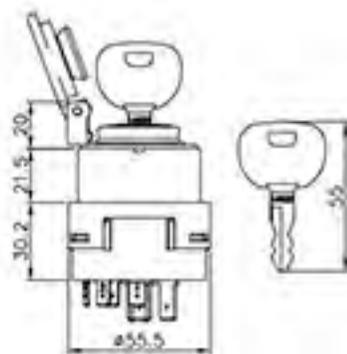
Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

Heavy Duty 12V/24V Ignition Starter Switches are designed for construction and transport vehicle. Also available to use in marine application. Meet IP64

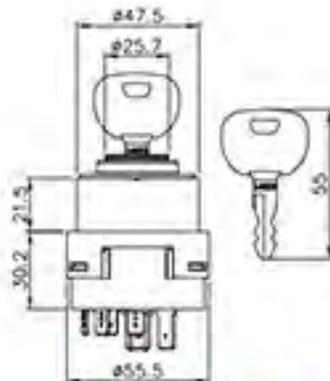
Terminal	Max. 12V	Max. 24V
30--58	8A	4A
30-15/54	35A	17,5A
30--19	70A	30A
30--17	70A	30A
30--50a	70A(Short time) 18A(1 min)	40A(Short time) 5A(1 min)

Type A

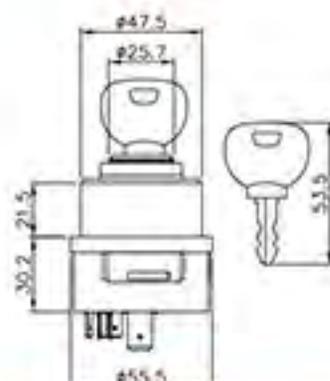


Type A1

(Same as Type A, except without Cap)



Type B



PA114-111177
Spare Key 14603



PA114-111178
Spare Key 14607



PB00-111178A
Cap
339997



PA00-111177A
6 pole socket
330291



PA00-111177B
4 pole socket
330290



AES	REF	Lid Type	No of Terminals	No of Positions	Pre-heat Function	Anti-Restart Lock	Weatherproof Cap	Key Number	Key Removable Position	Electrical Diagram	Diagram
AES-1111-77A1	330262						X	14603			
AES-1111-77A					X		V				
AES-1111-77B	330232		10	5	V		X	14607			
AES-1111-78A1	330282						X	14603			
AES-1111-78A						V		V			
AES-1111-78B	330252						X	14607			

AES	REF	Lid Type	NO of Terminals	No of Position	Pre-heat Function	Anti-Restart Lock	Weatherproof Cap	Key Number	Key Removable Position	Electrical Diagram	Diagram
AES-1111-87A1	328362		6	3	X	X	X	14603	OFF		
AES-1111-87A	V						14603				
AES-1111-87B	328332						X	14607			
AES-1111-87A1-1	328382						X	14603			
AES-1111-87B-1	328352						V	14607			
AES-1111-87B-1P	328350	X	50	00006							
AES-1111-88A1	330862		10	4	X	X	X	14603	OFF		
AES-1111-88A	V						14603				
AES-1111-88B	330832						X	14607			
AES-1111-89A1	328482		7	3	X	V	X	14603	OFF		
AES-1111-89A	V						14603				
AES-1111-89B	328452						X	14607			
AES-1111-89A-1	328462						X	V			
AES-1111-90A	330382		9	4	X	V	V	14603	OFF		
AES-1111-90B	330352						X	14607			
AES-1111-90A-1							V	14603			
AES-1111-90B-1	330332						X	14607			
AES-1111-91A							V	14603			
AES-1111-91B	326062	X	14607								
AES-1111-92A1	328062		7	4	V	X	X	14603	ACC, OFF		
AES-1111-92A	V						14603				
AES-1111-92B	328032						X	14607			
AES-1111-93A1	328262		7	4	V	X	X	14603	ACC, OFF		
AES-1111-93A	V						14603				
AES-1111-93B							X	14607			
AES-1111-93B-1	328232						X	14607			
AES-1111-93B-1P	328230						X	50			
AES-1111-94A1	330882		10	4	X	V	X	14603	OFF		
AES-1111-94B	330852						X	14607			
AES-1111-95A1	330162							14603			
AES-1111-95B	330132						X	14607			
AES-1111-95B-P	330130		10	5	V	X	50	00006	OFF		
AES-1111-95A1-1	330182						V	14603			
AES-1111-95B-1	330152						V	14607			

Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch -- for Snowmobile, Golf Cart and Lawn Mower

12V Ignition Starter Switches are designed for construction and transport vehicle. Also available to use in marine application.

Meet IP65

Type A



Type B



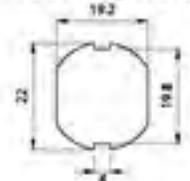
Type C



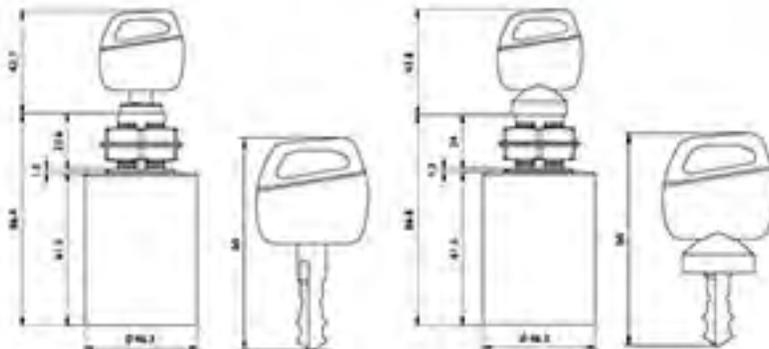
Lid - Terminals



Mounting Hole



Neck Length



Dimension: mm

Item No.	REF no.	Position	Electrical Diagram
AES-1411-44A		Left : Push to ON (30-15) 0 : OFF	
AES-1411-44B		4 position with Anti-Lock 1 : ON (30-15; 58-19) 2 : START (30-15-50)	
AES-1411-45A	14.312.000	0 : OFF	
AES-1411-45B	14.309.000	3 position with Anti-Lock 1 : ON (30-15; 58-19) 2 : START (30-15-50)	
AES-1411-46A		0 : OFF	
AES-1411-46B	14.303.000	4 position 1 : ON (58-19) 2 : ON (30-15; 58-19) 3 : START (30-15-50; 58-19)	
AES-1411-47A		Left : Push to ON (30-58) 0 : OFF	
AES-1411-47B	14.300.000	5 position with Anti-Lock 1 : ON (30-15) 2 : ON (30-15-19) 3 : START (30-15-50-19)	

Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1311-11

Ignition Switch for Snowmobile
Central Block, 4 ways.
Manual Start, 2 Lugs.
01-118-29
Moto-Ski 410, 1049.00



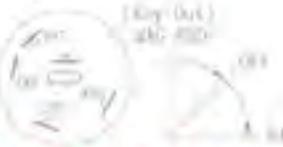
AES-1311-12

Ignition Switch for Snowmobile
Center Block, 4 ways.
Manual Start, 3 Lugs.
01-118-28
Mito-Ski 410, 1034.00



AES-1311-13

Ignition Switch for Snowmobile
Center Block, 4 Ways.
Manual Start, 4 Lugs.
01-118-25
Moto-Ski 690055
Use 540, 6900.55
Use 410, 1025.00



AES-1311-14

Ignition Switch for Snowmobile
Center Block, 4 Ways.
Electric Start, 5 Lugs.
01-118-26
Mito-Ski 410, 1031.00
Ski-D00-410, 1027, 1031.00



AES-1311-15

Ignition Switch
for Snowmobile
Electric Start, 6 Lugs.
01-118-27



AES-1311-16

Ignition Switch
for Snowmobile
4 Positions, 5 Ways.
Electric Start
01-118-04
Arctic Cat 0109-248
BOA-SKI-S-00-13-004



AES-1311-18

General # 1300
Ignition Switch for Snowmobile
Magneto Switch
All-terrain vehicles, Farm Equipment,
Industrial Equipment.
15Amps for 6VDC
10Amps for 12VDC



AES-1311-19

Snapper # 1-1853
Key Switch for Riding Mover
1 Lug, 2 ways



AES-1311-21

Key Switch for Lawn Mover
2 Lugs, 1 Way
01-118-19



AES-1311-22

Ignition Switch for Snowmobile
Electric Starts, 5 Lugs. 01-118-33
Mito-Ski 111172, Use 540, 1111.72
Mito-Ski 690056, Use 540, 6900.56
Use 410, 1026.00
Mito-Ski 690076, Use 540, 6900.76



Lock Cylinders

Universal Type & Truck Ignition Starter Switches

Specialized Ignition Starter Switches ~ for Farm Tractor, Forklift and Excavator

Specialized Ignition Starter Switch ~ for Snowmobile, Golf Cart and Lawn Mower

AES-1311-17

John Deere # AM102551

MTD # 725-0267A

MTD # 925-0267A

MTD # 725-0267

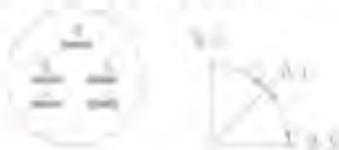
Ignition Switch for Lawn Mower

5 Spade Terminal For

Magneto Ignition

3 Position

Requires 5/8" Mounting Hole



AES-1311-23

Murray # 56419

Key Switch

for Lawn Mower

One Way, 2 Lugs.



AES-1311-25

John Deere # AM101561

Ignition Switch

for Lawn Mower

3 Positions, 6 terminals.



AES-1311-20

Key Switch for Golf

Ignition Starter Switch

2 Lugs, 1 Way



AES-1311-20A

Universal Key Switch

for cars with lights.

4 plug-in terminals.



AES-1311-20B

Cole Hersee # 95535

Universal 4 position ignition switch ACC,

OFF, IGN/ACC, and IGN/START.

4 Screw type terminals.

3/4" mounting hole and 2 keys included,

fit panels up to 1/2".

Rating: 12VDC Accessory: 10A

Ignition: 10A Start: 5A



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Master Battery Selector and Disconnect Switch
For Application up to 36VDC, 2 positions.

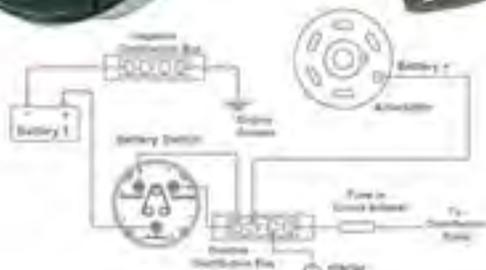
Rating: 310Amps continuous
500Amps/5 mins.

AES-1211-23

Dimension: 140*140*90h mm
Phenolic Housing

AES-1211-23A

Dimension: 160*160*70h mm
Plastic Housing



2 Position Battery Switch

Master Battery Selector and Disconnect Switch
For Application up to 36VDC, 4 positions-Both/1/off/2

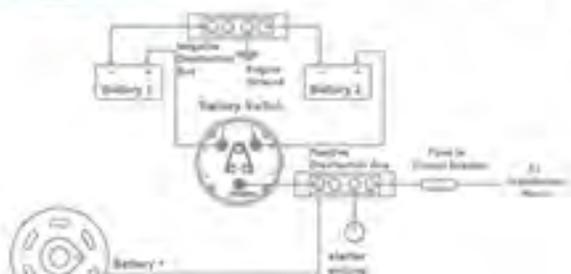
Rating: 310Amps continuous
500Amps/5 mins.

AES-1211-24

Dimension: 140*140*90h mm
Phenolic Housing

AES-1211-24A

Cole Hersee # M-750
Dimension: 160*160*70h mm
Plastic Housing



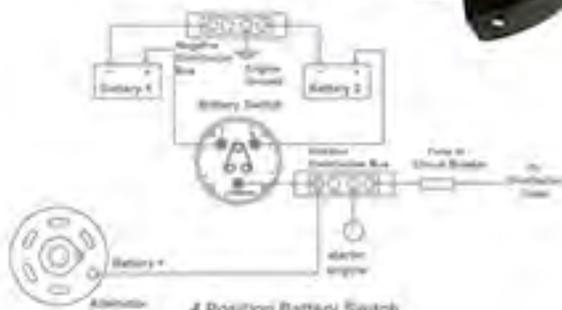
4 Position Battery Switch

Master Battery Selector and Disconnect Switch with key lock.
For Application up to 36VDC, 4 positions, Both/1/off/2

Rating: 310Amps continuous
500Amps/5 mins.

AES-1211-25A

Cole Hersee # M-751
Dimension: 160*160*70h mm
Plastic Housing



4 Position Battery Switch

Master Battery Selector and Disconnect Switch with AFD
(Alternator Field Disconnect protects the diodes in the alternator
in the event of the switch being set to "Off" while the engine is
running.)

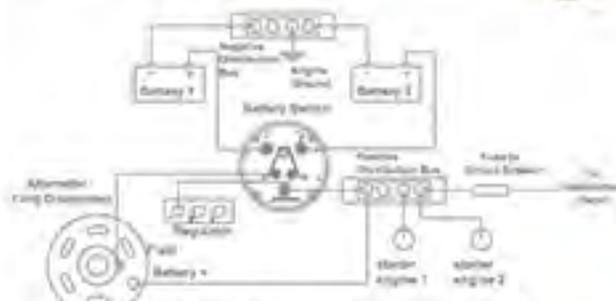
For Application up to 36VDC, 4 positions-Both/1/off/2.
Rating: 310Amps continuous 500Amps/5 mins. with/without lock

AES-1211-24B

Cole Hersee # M-752
Dimension: 160*160*70h mm
Plastic Housing

AES-1211-25B

Cole Hersee # M-753
Dimension: 160*160*70h mm
Plastic Housing



4 Position Battery Switch With AFD

Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Mini Master Battery Switches

For application up to 48 Volts DC, can be in 2 positions or 4 positions, used with 1 battery or 2 batteries.

Switch can be with knob or with removable key, with bottom cover for mounting panel use or without bottom cover for mounting through. Also available to be a combination set. ISO 8846 approval. Meet IP 66.

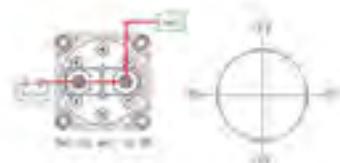
48VDC

- Continuous Rating: 300Amps
- Intermittent Rating: 700Amps/10secs.
- Cranking Rating: 1000Amps/5 secs.
- Inrush Rating: 1500Amps/ms.
- Dimensions: 69*69*75h mm

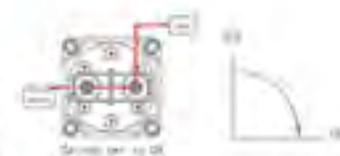
Combination Set

Without Bottom Cover
For Surface Mount UseWith Bottom Cover
For Panel Mount Use**AES-1211-28****AES-1211-28A****AES-1211-28B****AES-1211-28C**

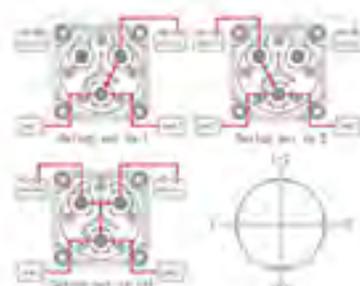
ON-OFF-ON-OFF

**AES-1211-29****AES-1211-29A****AES-1211-29B****AES-1211-29C**

ON-OFF

**AES-1211-30A****AES-1211-30C**

OFF-1-BOTH-2



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

AES-1211-32C

Heavy Duty Battery Switch with Lockout Feature Knob.

ON-OFF

12VDC 550Amps continuous

800Amps intermittent/10 sec.

2,500Amps cranking/5 sec.

Max: 48VDC

Dimensions: 102*102*90mm

Terminal: M12 * 2pcs



AES-1211-34

Remote Control Battery Switch

Switch can be mounted alongside battery,

reducing cable lengths and cable size to start motor.

Remote through a momentary switch on the dash.

LED status identification for remote control switch.

Manual Operation available.

Rating: 9.5VDC-32VDC

275Amps continuous

455Amps intermittent

1,250Amps Cranking

Power Draw:

Switch OFF 12mA; Switch ON 15mA

Switch Operation: 120mA for 3 seconds at 12V nominal.



AES-1211-34V

Dual Operation VSR and Battery Switch Parallel,

Remote Type

Rating: 12VDC 275A

Engages 13.7VDC

Disengages: 12.2-13.0VDC

Dual battery sensing. Remote battery switch,

operated through a momentary switch on the dash,

parallel the batteries for a preset time of 10 minutes

Once this 10 minutes has passed,

it will stay engaged if the voltage is up high

enough for the VSR to operate.

If not, it will disengage. Manual Operation available.

Engine run sensing: VSR will engage when the

voltage reaches 13.7 volts (either start or house battery).

If the combined battery voltage drops below 13.0 volts,

and the engine is not running, after 5 seconds the

contact will open and stay open till voltage exceeds

13.7 volts. If voltage drops below 13 volts and stay above

12.2 volts on either, while engine is running,

the VSR will stay engaged.



AES-1211-31

Voltage Sensitive Relay, Single Sense,

Rating: 12VDC, 140Amps continuous

Engages: 13.7VDC, Disengages: 12.8VDC

The Voltage Sensitive Relay allows

2 batteries to be charged at the same time.

When the engine is started and the start

battery reaches 13.7volts,

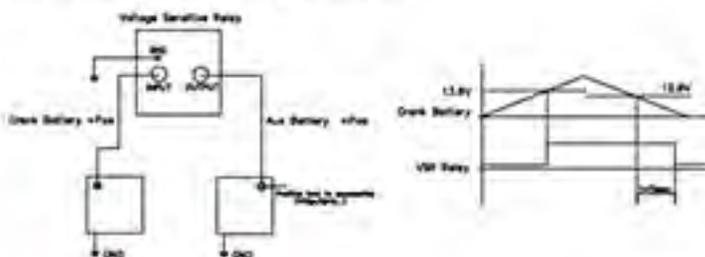
the VSR engages,

allowing 2 battery banks (start & house) to be

charged simultaneously.

When the voltage drops below 12.8 volts,

the VSR disengages, separating the batteries.



AES-1211-31-100A

Same as AES-1211-31, Single Sense,

Rating: 12VDC, 100Amps continuous

AES-1211-31D

Voltage Sensitive Relay, Dual Sense,

Rating: 12VDC 125Amps continuous

Allow sensing the voltage of both batteries that

is connected between:

If either battery is receiving a charge the VSR

will activate paralleling the 2 battery banks.

Designed for situations where a battery charger

or second sources is used into the house battery.



AES-1211-11

Heavy Duty Battery Cut-Off Switch

2 Positions, Off-On,

Isolates Battery Circuit for

Anti-theft and Motorsport

Vehicles. Idea for RV,

Marine and Farm Equipment Storage.

Rating: 30Amps, 12VDC



AES-1211-11A

Heavy Duty Battery Cut-off

Switch with weatherproof rubber cover.

Rating: 30Amps, 12VDC



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

AES-1211-16

Heavy Duty Battery Cut-Off Switch
 12VDC 300 Amps continuous,
 1000A/10 sec.
 Terminal:M10
 Meet IP 65
 ISO 8846 Approved

**AES-1211-16A**

Heavy Duty Battery Cut-Off Switch
 24VDC 300 Amps continuous,
 1000A/10 sec.
 Terminal:M12
 Meet IP 65

**AES-1213-13**

2 Poles Master Disconnect Switch
 Rating: 24VDC
 Continuous Rating: 120Amps
 Intermittent Rating: 2,000Amps
 4 Positions: on/off/on/off (removable)
 With key and weatherproof cap.
 Meet IP 65

**AES-1213-13B**

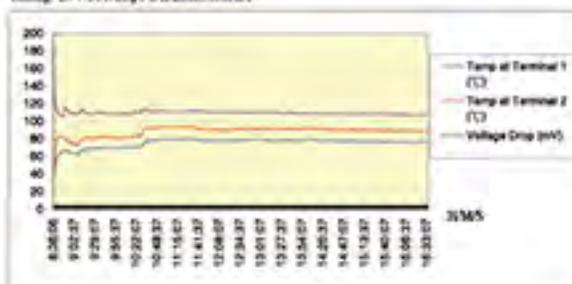
With lever

**AES-1213-13C**

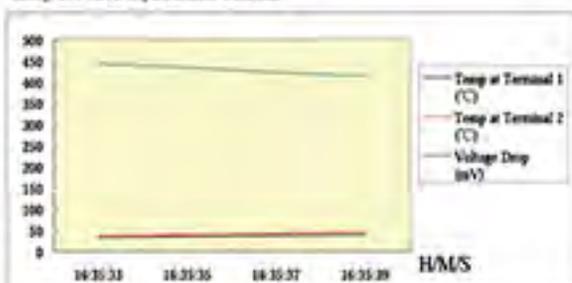
With lever

**Temperature Rise Test**

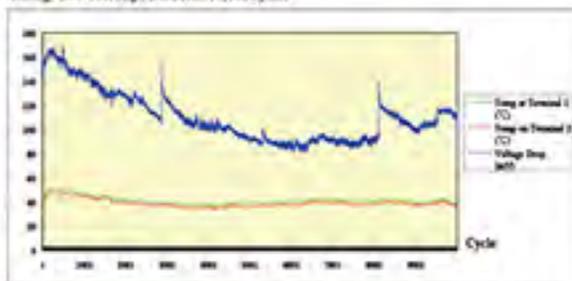
Rating: 24V 300Amps Duration: 60mins

**High Current Test**

Rating: 24V 1,500Amps Duration: 8 seconds

**Endurance Test**

Rating: 24V 600Amps Duration: 10,000 cycles

**AES-1213-14**

Battery Switch
 Battery Disconnect Switch
 12VDC 50Amps



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

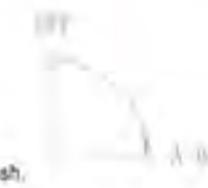
Battery Jump Terminals

SPST type

AES-1411-16

Pollak # 51-302 / 51-902

S.P.S.T. Off-On, 2 Stud Terminal For Battery Circuit Only. Does not disconnect Alternator or Generator Field Circuit. On Vehicles Equipped with Alternators. Engine Must Be Shut off to Avoid Potential Damage to Alternator Diodes. 6-36 Volt, 190 Amps Continuous Capacity, 1000 Amps in Rush.



AES-1411-16-3

Pollak # 51-315 / 51-915

Same as AES-1411-16, except with Index Pin to prevent rotation while installing.



AES-1411-16-3P

Pollak # 51-316 / 51-916

S.P.S.T. OFF-ON With encapsulated removable keys. With 0.25" diameter anti-rotation indexing post.



AES-1411-16H

Pollak # 51-307 / 51-927

Rating: 12VDC 180Amps continuous 1,800Amps intermittent With M12 Terminals



DPST type

AES-1411-16A

Standard # DS-247
Pollak # 51-304 / 51-904
Cole Hersee # 2484

D.P.S.T. Off-On, 4 Stud Terminals. For Battery and Alternator or Generator Field Circuit. Design to Break Alternator generator Circuit Prior to Battery Circuit Disconnect. Rating: Continuous rating (Make Break) Large Studs - 180 Amps Small Studs - 20 Amps Intermittent Rating (Carrying) Large Studs - 1000 Amps



AES-1411-16B

Pollak # 51-318 / 51-918

Same as AES-1411-16A, except with .25 dia. indexing post to prevent rotation and align switch.



AES-1411-16-BP

Pollak # 51-319 / 51-919

D.P.S.T. OFF-ON With encapsulated removable keys. With 0.25" diameter anti-rotation indexing post.



AES-1411-16L

Lock-out Lever Kit Allows switch to be locked into the off position with a padlock. Prevents unauthorised or accidental activation



Padlock not included



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

AES-1411-18Standard # DS-249
Cole Hersee # 2484-06Master Battery
Disconnect Switch.
For Caterpillar 7N0718.**AES-1411-18A**

Cole Hersee # 75908

Single Pole, Off-On. Disconnects
Battery Circuit Only.
Mounting Stem: 3/4" - 16 Thread,
Fits Panels up Through 1/4" Thick.
2 1/2" - 20 Copper Stud.
Indexing Pin Align Switch and
Prevents Rotation.
Electrical Ratings: 2,000 amps intermittent
300 amps continuous.**AES-1411-18A-L**Same as AES-1411-18A
With Lock-Out Kit**AES-1411-18B**

Cole Hersee # 75907

Double Pole, Off-On.
Disconnects Battery and
Field Circuits. Mounting
Stem: 3/4" - 16 Thread.
Fits Panels up Through
1/4" Thick. Two 1/2"-20 Copper
Stud and Two 10-32 Stud.
Indexing Pin Align Switch
and prevents Rotation.
Electrical Ratings: Large Studs 2,000 amps intermittent
300 amps continuous Small Studs 20 amps continuous**AES-1411-18B-L**Same as AES-1411-18B
With Lock-Out Lever Kit**AES-1411-18C**AES-1411-18 with
operated lever.**AES-1411-18C-4T**Battery Disconnect Switch
With 4 terminal and indexing pin.**AES-1411-18D**

Cole Hersee # M-284

Single Pole, Off-On
Electrical Ratings:
175 amps continuous
1,000 amps intermittent
15 seconds ON,
5 minutes Off.**AES-1411-18D-4T**Battery Disconnect Switch
With 4 terminals

Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

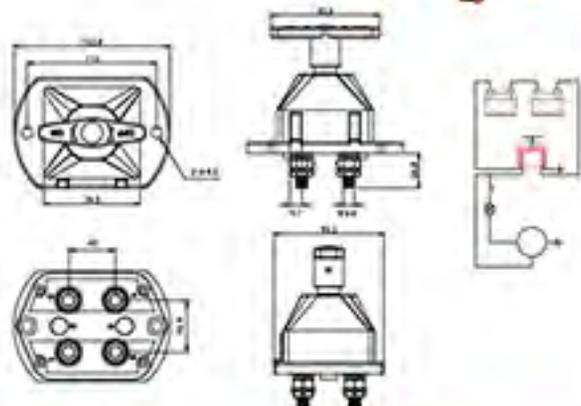
Battery Terminals & Terminal Blocks

Battery Jump Terminals

AES-1411-34A

Double Pole Main Switch
ON/OFF

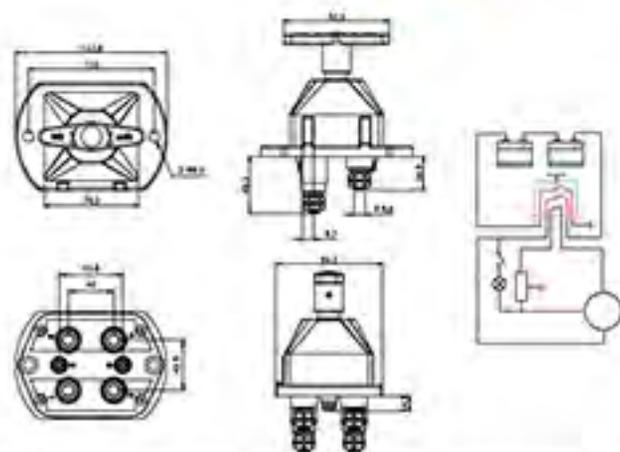
Rating:
Max 48VDC
250 amps continuous
2,500 amps/5 secs.
Terminal: M10 * 4
Meet IP65



AES-1411-34B

Double pole Main Switch
with Auxiliary circuit
ON/OFF

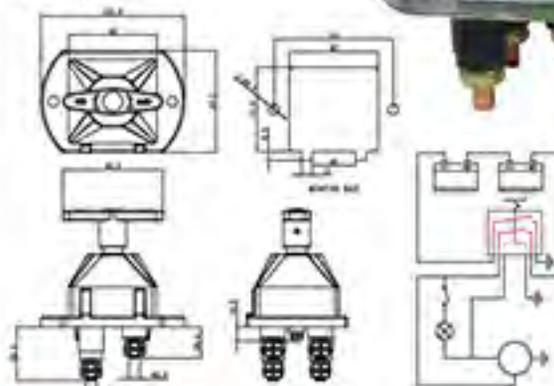
Rating:
Max 48VDC
250 amps continuous
2,500 amps/5 secs.
Terminal: M10 * 4
M6 * 2
Meet IP65



AES-1411-34C

Double Pole Main Switch
with Auxiliary circuit
ON-OFF

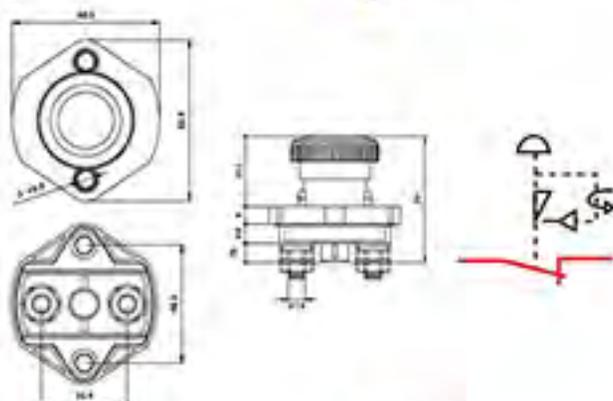
Rating:
Max 48VDC
250Amps continuous
2,500Amps/5 seconds
Terminal: N10*4 + M6*2
Normally Closed



AES-1411-51

Snap Action Switch
With rotative releasing
Normal ON, push down to OFF,
rotate knob to release.

Rating:
Max 48VDC
150amps continuous,
1000amps/5 secs.
Terminal: M8 * 2
Meet IP66



AES-1411-531

Battery Switch with Key
20 Key Codes Available
24VDC 100Amps continuous,
500AMPS FOR 5 seconds.
Supplied with 2 keys.



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

AES-1411-532

Battery Disconnect Switch
With Fixed Handle
24V 300Amps, 2000Amps/5 secs



With Bracket

With Bracket

**AES-1411-532A**

With Lock-out Bracket

**AES-1411-532B**

With Extension Handle

**AES-1411-532C**

With Removable Key

**AES-1411-532D**

With Removable Key, With Bracket

**AES-1411-533H**

Heavy Duty Battery Cut-Off Switch
Single Pole
12VDC 300Amps, 3,000Amps/5 secs
Max: 48VDC
Terminal: M10*2

**AES-1411-533P-A**

Heavy Duty Battery Cut-Off Switch
Single Pole
12VDC 300Amps, 3,000Amps/5 secs
Max: 48VDC
Terminal: M10*2

**AES-1411-534**

Heavy Duty Battery Cut-Off Switch
Max: 36VDC
12VDC 125A Continuous,
750A Intermittent (15 Secs ON, 5 Min OFF)
Terminal: M10*4, With Index Pin



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals



AES-1411-561

Automatic Disconnecting Switch for load dividers

With very low voltage drop (diodes)

Voltage Drop: 0.25V

Can charge more than 1 battery simultaneously,

giving preference to the battery with the lowest charging level,

light alloy body, wide finning suitable for dispersing heat efficiently.

AES P/N	Battery	Dimension (mm)	Max Power delivery by each battery	Relays/Coils	Max Voltage
AES-1411-561-2A	2	100x120x80	50A	1	100V
AES-1411-561-2B	2	200x120x80	100A	2	100V
AES-1411-561-2C	2	200x120x80	150A	1/2	100V
AES-1411-561-3A	3	100x120x80	50A	1	100V
AES-1411-561-3B	3	200x120x80	100A	2	100V



AES-1411-571

Electrical Battery Isolator

Positive or Negative Disconnection, with separate coil feeding

Rating: 12VDC (Vmin: 9V/Vmax: 18V)

300Amps continuous

2,500Amps/5 seconds

Contact Drop at Max Load: 200mV (0.4mOhms Max)

Pull in coil Current: 2.6A

Hold in coil Current: 0.4A

AES-1411-571-24

Electrical Battery Isolator

Positive or Negative Disconnection, with separate coil feeding

Rating: 24VDC (Vmin: 16V/Vmax: 36V)

300Amps continuous

2,500Amps/5 seconds

Contact Drop at Max Load: 200mV (0.4mOhms Max)

Pull in coil Current: 3.2A

Hold in coil Current: 0.3A

Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Waterproof Surface Mount & Panel Mount Circuit Breaker

Typically use in auxiliary and accessory circuits in truck, bus, RV and marine applications.

Rating: 42VDC Maximum, 50Amps to 200Amps

Interrupt Rating: 3000Amps at 30VDC.

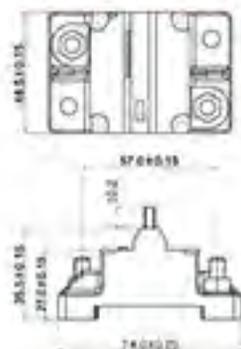
Operating Temperature: -32°C to 82°C.

Meet: IP67

Surface Mount Type

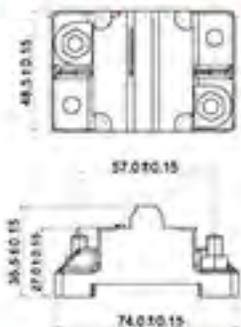
AES-GCA series

Manual Reset Type



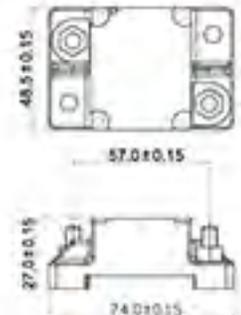
AES-GCA-A series

Manual Reset Type



AES-GCA-B series

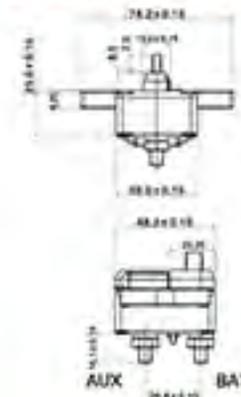
Automatic Reset Type



Panel Mount Type

AES-GCB series

Manual Reset Type



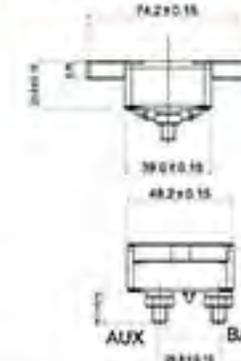
AES-GCB-A series

Manual Reset Type



AES-GCB-B series

Automatic Reset Type



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Stud Type Circuit Breaker

Auto Reset Circuit Breaker.

Terminals: Two # 10-32 stud.

Rating: 12VDC/24VDC, 10Amps to 50Amps

AES-1112-15A

Circuit Breaker with
Mounting Bracket & Nuts
Rated 20 Amps to 40 Amps



AES-1112-15B

Circuit Breaker
Rated 20 Amps to 40 Amps



AES-1112-15C



AES-1112-15CP



Thermal Type Circuit Breaker

Single Pole thermal circuit breaker, Thread neck mounting

Rating: 50VDC Maximum, 3Amps to 100Amps

Interrupt Rating: 300Amps at 30VDC.

Operating Temperature: -32°C to 82°C.

AES-ZE700

Amperage: 3 - 50Amps
Manual Push Reset
Accessory: Nameplate + Hex Nut



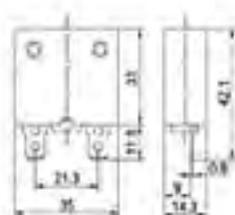
AES-ZE700S

Amperage: 3-20 Amps
Manual Push Reset



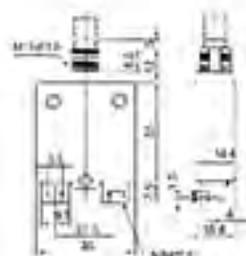
AES-ZE700-A

Amperage: 3 - 50Amps
Auto Reset



AES-ZE700L

Amperage: 50-100 Amps
Manual Push Reset



Accessory:

Parts

C: Cap



Nameplate



Nut

H: Hex Nut



K: Knurl Nut



Battery Selectors & Battery Disconnect Switches
Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Fuse Holder

AES-R3-14C

REF#AZ-2215

Fuse Holder

12VDC 10A

For Fuse 6.35 *32mm

Terminal: 0.25" Quick connect terminals

Diameter: 13.2



AES-R3-18

Heavy Duty Fuse Holder

30VDC 10A

For Fuse 10.3" 38.1mm

Terminal: 0.25" Quick terminals

Diameter: 22.2



AES-R3-63B

Fuse Holder with LED warning light

32VDC 20Amps

Mounting by nuts.

For Fuse 6.35 *32mm

Fuse: 7mm max.

LED indicates when fuse is burned.

Meet IP66



AES-R3-67L

Fuse Holder with LED warning light

12VDC 30Amps

For Blade Fuse

Snap-in mounting

LED indicates when fuse is burned.



In Line Fuse Holder for Glass Tube Fuse

3AG Bakelite Fuse Holder

Applicable Fuse: 6.35*32mm

6.35*30mm

Length: 8" Loop

AES-1613-01-10 (10GA, rated to 40A)

AES-1613-01-12 (12GA, rated to 30A)

AES-1613-01-14 (14GA, rated to 20A)

AES-1613-01-16 (16GA, rated to 15A)

AES-1613-01-18 (18GA, rated to 10A)



3AG Bakelite Fuse Holder

Applicable Fuse: 6.35*32mm

6.35*30mm

Length: 8" Loop

AES-1613-02-10 (10GA, rated to 40A)

AES-1613-02-12 (12GA, rated to 30A)

AES-1613-02-14 (14GA, rated to 20A)

AES-1613-02-16 (16GA, rated to 15A)

AES-1613-02-18 (18GA, rated to 10A)



3AG Nylon Fuse Holder

Applicable Fuse: 6.35*32mm

6.35*30mm

Length: 8" Loop

AES-1613-03-18 (18GA, rated to 10A)

AES-1613-03-20 (20GA, rated to 5A)



3AG Nylon Fuse Holder

Applicable Fuse: 5.2*20mm

Length: 8" Loop

AES-1613-04-18 (18GA, rated to 10A)

AES-1613-04-20 (20GA, rated to 5A)



3AG PVC Fuse Holder

Waterproof Type

Applicable Fuse: 6.35-32mm

AES-1613-05-12 (suitable for 12GA wire)

AES-1613-05-14 (suitable for 14GA wire)

AES-1613-05-16 (suitable for 16GA wire)

AES-1613-05-18 (suitable for 18GA wire)



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

In Line Fuse Holder

In Line Fuse Holder for Blade Terminal Fuse

Contact: Bronze, Tin/Nickel Plated

Water Resistant Type.

To install Fuses with "Loop" type wires, simply cut loop in to 2 separate wires of desired length.

Loop Length: 12"

- AES-1611-01-10** (10GA, rated to 40A)
- AES-1611-01-12** (12GA, rated to 30A)
- AES-1611-01-14** (14GA, rated to 20A)
- AES-1611-01-16** (16GA, rated to 15A)
- AES-1611-01-18** (18GA, rated to 10A)



- AES-1611-02-10** (10GA, rated to 30A)
- AES-1611-02-12** (12GA, rated to 30A)
- AES-1611-02-14** (14GA, rated to 20A)
- AES-1611-02-16** (16GA, rated to 15A)
- AES-1611-02-18** (18GA, rated to 10A)
- AES-1611-02-20** (20GA, rated to 5A)



- AES-1611-03-12** (12GA, rated to 30A)
- AES-1611-03-14** (14GA, rated to 20A)
- AES-1611-03-16** (16GA, rated to 15A)
- AES-1611-03-18** (18GA, rated to 10A)



- AES-1611-04-12** (12GA, rated to 30A)
- AES-1611-04-14** (14GA, rated to 20A)
- AES-1611-04-16** (16GA, rated to 15A)
- AES-1611-04-18** (18GA, rated to 10A)



- AES-1611-05-10** (10GA, rated to 30A)
- AES-1611-05-12** (12GA, rated to 30A)
- AES-1611-05-14** (14GA, rated to 20A)
- AES-1611-05-16** (16GA, rated to 15A)
- AES-1611-05-18** (18GA, rated to 10A)



With LED warning Light

- AES-1611-L01-12** (12GA, rated to 30A)
 - AES-1611-L01-14** (14GA, rated to 20A)
 - AES-1611-L01-16** (16GA, rated to 15A)
 - AES-1611-L01-18** (18GA, Rated to 10A)
- Meet: IP66



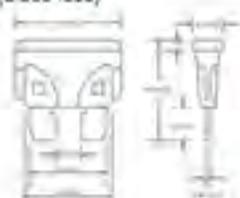
With LED warning Light

- AES-1611-L02-06** (6GA, rate to 60A)
- Meet: IP66



AES-1610-BF

Applicable fuse
(Blade fuse)



MINI TYPE In Line Fuse Holder For Blade Terminals Fuses.
Water Resistant Type.

To install Fuses with "Loop" type wires, simply cut loop in to 2 separate wires of desired length.

Loop Length: 12"

- AES-1612-01-10** (10GA, rated to 35A)
- AES-1612-01-12** (12GA, rated to 30A)
- AES-1612-01-14** (14GA, rated to 20A)
- AES-1612-01-16** (16GA, rated to 15A)
- AES-1612-01-18** (18GA, rated to 10A)



- AES-1612-02-12** (12GA, rated to 30A)
- AES-1612-02-14** (14GA, rated to 20A)
- AES-1612-02-16** (16GA, rated to 15A)
- AES-1612-02-18** (18GA, rated to 10A)
- AES-1612-02-20** (20GA, rated to 5A)



- AES-1612-03-12** (12GA, rated to 30A)
- AES-1612-03-14** (14GA, rated to 20A)
- AES-1612-03-16** (16GA, rated to 15A)
- AES-1612-03-18** (18GA, rated to 10A)
- AES-1612-03-20** (20GA, rated to 5A)



- AES-1612-04-12** (12GA, rated to 30A)
- AES-1612-04-14** (14GA, rated to 20A)
- AES-1612-04-16** (16GA, rated to 15A)
- AES-1612-04-18** (18GA, rated to 10A)
- AES-1612-04-20** (20GA, rated to 5A)



With LED warning Light

- AES-1612-L01-12** (12GA, rated to 30A)
 - AES-1612-L01-14** (14GA, rated to 20A)
 - AES-1612-L01-16** (16GA, rated to 15A)
 - AES-1612-L01-18** (18GA, rated to 10A)
- Meet: IP66



AES-1610-MIBF
Applicable Fuse
(Mini blade fuse)



MAXI TYPE Fuse Holder

- AES-1612-05-08** (8GA, rated to 60A)
- AES-1612-05-10** (10GA, rated to 40A)



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Fuse Blocks**AES-1615-01-04** (for 4 fuses)**AES-1615-01-06** (for 6 fuses)**AES-1615-01-10** (for 10 fuses)

For Blade Fuse

Input: 100A max

Output: 30A max per circuit



AES-1615-01-10

AES-1615-02-04 (for 4 fuses)**AES-1615-02-06** (for 6 fuses)**AES-1615-02-10** (for 10 fuses)

For Blade Fuse

Input: 100A max

Output: 30A max per circuit

Red LED indicates when fuse is broken



AES-1615-02-04

AES-1615-03-04 (for 4 fuses)**AES-1615-03-06** (for 6 fuses)**AES-1615-03-10** (for 10 fuses)

For Mini Blade Fuse

Input: 100A max

Output: 30A max per circuit



AES-1615-03-10

AES-1615-04-04 (for 4 fuses)**AES-1615-04-06** (for 6 fuses)**AES-1615-04-10** (for 10 fuses)

For Mini Blade Fuse

Input: 100A max

Output: 30A max per circuit

Red LED indicates when fuse is broken



AES-1615-04-04



AES-1615-04-06



AES-1615-04-10

AES-1615-05-06N (for 6 fuses)**AES-1615-05-08N** (for 8 fuses)**AES-1615-05-10N** (for 10 fuses)**AES-1615-05-12N** (for 12 fuses)

For Blade Fuse

Max: 32VDC

Input: 150A max

Output: 25A max per circuit



AES-1615-05A-06

AES-1615-05A-06 (for 6 fuses)**AES-1615-05A-08** (for 8 fuses)**AES-1615-05A-10** (for 10 fuses)**AES-1615-05A-12** (for 12 fuses)

For Blade Fuse

Max: 32VDC

Input: 150A max

Output: 25A max per circuit



AES-1615-05A-06

AES-1615-06-06N (for 6 fuses)**AES-1615-06-08N** (for 8 fuses)**AES-1615-06-10N** (for 10 fuses)**AES-1615-06-12N** (for 12 fuses)

With Grounding Pad

For Blade Fuse

Max: 32VDC

Input: 150A max

Output: 25A max per circuit



AES-1615-06-06N

AES-1615-07-04 (for 4 fuses)**AES-1615-07-06** (for 6 fuses)**AES-1615-07-08** (for 8 fuses)**AES-1615-07-10** (for 10 fuses)

For Blade Fuse

Max: 12VDC

Output: 15A max per circuit



AES-1615-07-08

AES-1615-08-04 (for 4 fuses)**AES-1615-08-06** (for 6 fuses)**AES-1615-08-08** (for 8 fuses)**AES-1615-08-10** (for 10 fuses)

For MINI Type Blade Fuse

Max: 12VDC

Output: 15A max per circuit



AES-1615-08-10

AES-1615-11-4 (for 4 Fuse)

Fuse Block

12V 30Amps



Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

AES-1616-01

Wing Nut Marine Brass Terminals



AES-1616-02

Wing Nut Marine Brass Terminals



AES-1616-03

Wing Nut Marine Brass Terminals
(All Copper Plated)



AES-1616-04

Clamp Type Wing Nut Lead Terminal



AES-1616-05

Angle Type P&N Brass Battery Terminal



AES-1616-06

Speed Power Battery Terminals



AES-1616-11

Terminal Block



AES-1616-11-10A

Terminal Block



AES-1616-11-10B

Terminal Block



AES-1616-11-10BC

Black Cover for Terminal Block



AES-1616-12-4

Terminal Block
For 4 terminals



AES-1616-12-12

Terminal Block
For 12 terminals



AES-1616-12-16

Terminal Block
For 16 terminals

Battery Selectors & Battery Disconnect Switches

Circuit Breakers

Fuse Holders

Fuse Blocks

Battery Terminals & Terminal Blocks

Battery Jump Terminals

Jumper Terminals designed to provide Remote mounting for Battery Connections either inside or outside of the vehicles.

Easily installed, the positive terminal can be individually used or in conjunction with the negative terminals as a pair.

Battery Jump Terminals

Brings 6-36V DC Power Through Bulkheads or Firewalls.

1- 17/64" dia., 5/8" long.

2- 3/8" - 16 Thread Brass Stud Terminals, 5/8" long.

AES-1616-21B

Black Housing - Negative Terminal



AES-1616-21R

Red Housing - Positive Terminal



Battery Jump Terminals

With Rubber Caps.

Solid Brass Stud, Brass Hex Nuts and Brass Lockwashers.

Dimension for Grooved Contact Post: 13/16" dia., 1-1/8" long.

AES-1616-22B

Black Cap - Negative Terminal



AES-1616-22R

Red Cap - Positive Terminal

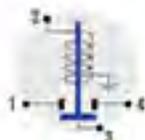


Solenoids

AES-1511-201-12 (AES-F503)

AES-1511-201-24 (AES-F504)

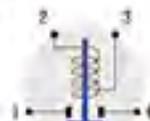
Starter Solenoid 85Amps
Grounded base, Flat bracket.
4 terminals



AES-1511-205-12 (AES-E205S)

AES-1511-205-24

Starter Solenoid
Extra Heavy Duty.
200Amps continuous and 600Amps in rush.
4 silver alloy contacts (2 normally open)
Use in mining, logging and
construction equipments.



AES-1511-202-12 (AES-F503-3T)

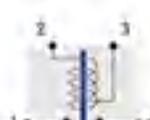
AES-1511-202-24 (AES-F504-3T)

Starter Solenoid 85Amps
Grounded base, Flat bracket.
3 terminals



AES-1511-207-2

Starter Solenoid
SPST, normally open.
12V 100Amps continuous and 400Amps in rush.
Silver contacts.
Insulated Type.



AES-1511-203-12 (AES-C172)

AES-1511-203-24 (AES-C173)

Starter Solenoid 85Amps
Insulated Type.
Operating coil connections: 2 small terminals.
Brass Contacts.



AES-1511-211

Forward & Reverse module
For Lift and Tarp operations,
anywhere an up/down, in/out,
clockwise/counterclockwise control
is needed.
Dynamic braking stops the motor
when the switch returns to OFF.
Automatically reverses the direction
of the motor when the appropriate
control circuit is energized.

Rating:
12VDC 50A continuous.
12VDC 70A intermittent
Max ON time 5 mins, OFF time 3 mins.
Meet IP67



AES-1511-204-12 (AES-C172-3T)

AES-1511-204-24 (AES-C173-3T)

Starter Solenoid 85Amps
Grounded Type.
Operating coil connections: 2 small terminals.
Brass Contacts.



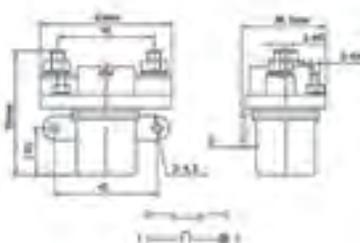
Contactors



NC Type

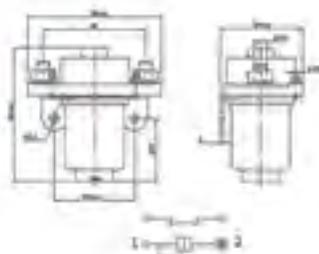
AES-1511-301D-12
AES-1511-301D-24
AES-1511-301D-48
AES-1511-301D-60

Contactor 12V/24V/48V/60V
 50Amps Normally Closed



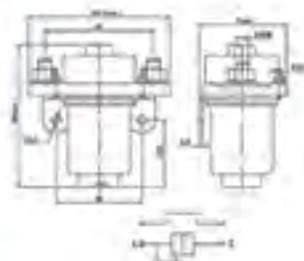
AES-1511-303D-12
AES-1511-303D-24
AES-1511-303D-48
AES-1511-303D-60

Contactor 12V/24V/48V/60V
 200Amps Normally Closed



AES-1511-304D-12
AES-1511-304D-24
AES-1511-304D-48
AES-1511-304D-60

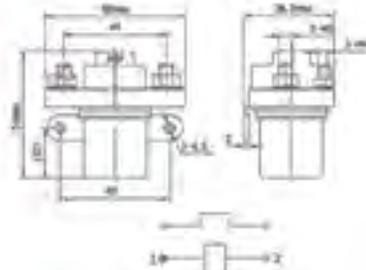
Contactor 12V/24V/48V/60V
 400Amps Normally Closed



NO Type

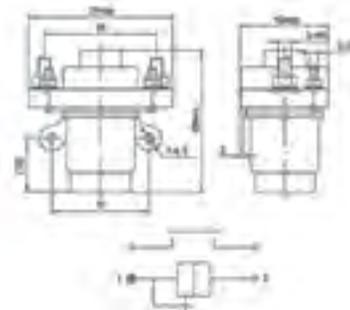
AES-1511-301H-12
AES-1511-301H-24
AES-1511-301H-48
AES-1511-301H-60

Contactor 12V/24V/48V/60V
 50Amps, Normally Open



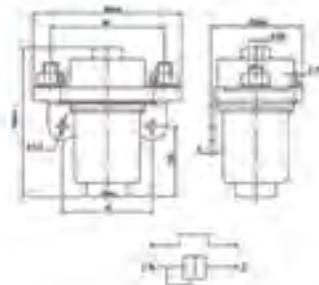
AES-1511-302H-12
AES-1511-302H-24
AES-1511-302H-48
AES-1511-302H-60

Contactor 12V/24V/48V/60V
 100Amps, Normally Open



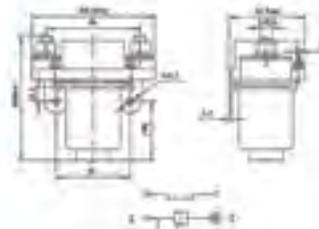
AES-1511-303H-12
AES-1511-303H-24
AES-1511-303H-48
AES-1511-303H-60

Contactor 12V/24V/48V/60V
 200Amps, Normally Open



AES-1511-304H-12
AES-1511-304H-24
AES-1511-304H-48
AES-1511-304H-60

Contactor 12V/24V/48V/60V
 400Amps, Normally Open



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1112-01

Universal Switch
3 Position, 4 Terminals



AES-1112-02

Universal Switch
3 Position, 5 Terminals



AES-1112-03

Universal Type
12VDC 30Amps, ON-OFF



AES-1112-03A

Illuminated wavy Switch,
With LED
12VDC 30Amps, ON-OFF



AES-1112-04

Universal Type
12VDC 30Amps, OFF-ON-ON



AES-1112-05

Universal Type
12VDC 30Amps, OFF-ON-ON
With Fuse Protection



AES-1112-10

Standard # DS-120
Universal heavy duty,
2 position, single pole,
single throw, Push-Pull Switch
Rating: 6VDC 30Amps
12VDC 15Amps



AES-1112-11

Pollak # 35-300
Standard # 33664
Universal Push-Pull Switch
Headlight Switch
12VDC, 15Amps.
Switch is On when pulled out.
2 Position - Off/On
7/16" Diameter.
Natural Knob.



AES-1112-12

Pollak # 35-308
Standard # DS1835
General # 1600
Universal Push-Pull Switch
Headlight Switch
12VDC, 15Amps.
Switch is On when pulled out.
3 Position - Off/On/On
7/16" Diameter.
Natural Knob.



AES-1112-13

Universal Push-Pull Switch
Headlight Switch
12VDC, 15Amps.
4 Screw Terminals,
3 Position - Off/On/On,
7/16" Diameter. Natural Knob



AES-1112-14

Pollak # 35-307
Standard # DS-121
General # 1602
Universal Push-Pull Headlight Switch
5 Screw Terminals, 3 Position - Off/On/On
Complete with 15 Amps Fuse.
Mounting Stem 7/16" Diameter,
1/2" Long, Natural Knob.
IHC 363130R91 Delco U-1502



AES-1112-15

Standard # DS142
Valley Forge # HS-85X
Pollak # 35-316
General # 1607
Universal Type Headlight Switch
3 Position - OFF/ON/ON
12VDC, With 20Amps Circuit Breaker.
4 screw terminals, 2 stud terminals.
Push Pull for headlights,
Turn to Dim Panel. Bright Metal Knob.



AES-1112-15-1

Standard # DS141
Same as AES-1112-15,
except with 30Amps circuit breaker.

Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1112-16

Standard # DS-198
Valley Forge # HS-102
General # 1623
Echlin # HL-6634
Wells # SW210

Headlight Switch
\$350105, 5450558, 929955
Jeep 1974-'80

**AES-1112-18**

Standard # DS-185
Valley Forge # HS-90
General # 1672
Wells # SW-154
Echlin # HL-6541

Headlight Switch C50Z, CSTZ,
C8UZ, D3UZ, D3ZZ-11654A,
C5TZ-11654B, C5TZ-11654C,
SW-435, 439, 504, 695, 718, 1153, 1245.
Bronco 1966-76 Comet 1970-72
Falcon 1965-70 Ford Truck
1965-72 Maverick 1970-72
Mustang 1965-'66, 1971-72

**AES-1112-19**

Standard # DS-148
Valley Forge # HS-95
General # 1668
Echlin # HL-6038
Wells # SW-132

Headlight Switch C5AB, C5AZ-11654A, B,
C5GB, C5GY, C5OB, C5OZ, D3AZ,
DOMY-11654A, SW-434, 629, 631, 898,
1229, 1226 Bobcat 1975-'79 Capri 1979
Comet 1965-'67, 1973-'78 Cougar 1974-'78
Fairlane 1965-'77 Fairmont 1978
Granada 1975-'79 Maverick 1974-'78 Mercury 1965-'69, 1971-'78 Meteor 1974-'76
Monarch 1975-'79 Montego 6, 8, 1968-'78 Mustang 6,8,1971, 1973-'78
Pinto 1974-'79 Torino 1965-'78 Use w/o Hooded Headlights

**AES-1112-20**

Standard # DS-210
Valley Forge # HS-110
General # 1679
Echlin # HL-6636
Wells # SW-166

Headlight Switch
EOAZ-11654C, EOAB-11654CA,
SW-1596, F-1521 Capri 4,6,8,1980
Cougar 8, 1980 Escort 1981
Fairmont 4, 6, 8, 1980
Ford 1980 Granada 6, 8, 1980 LTD 8, 1980
Marquis 8, 1980 Maverick 1980
Monarch 6, 8, 1980 Mustang 4, 6, 8, 1980
Zephyr 4, 6, 8, 1980

**AES-1112-20A**

Valley Forge # HS-117
General # 1682
Standard # DS-218
Echlin # HL-6637
Wells # SW-187

Headlight Switch
Ford EOAZ-11654-D
SW-1597
Ford, Mercury '80-'88

**AES-1112-21**

Pollak # 35-306
Valley Forge # SW-191
General # 1820

Heavy Duty Push-Pull
Headlight Switch
6-28 Volt DC, 75Amps
S.P.S.T. Two Position "Off-On"
Die-Casting Body, Chrome Plated Knob,
Copper Terminals, Mounting stem 5/8" Long,
15/32" Diameter.

**AES-1112-22**

Headlight Switch

**AES-1112-23**

Headlight Switch

**AES-1112-24**

Standard # DS-165
Valley Forge # HS-37
Echlin # HL-6571
Wells # SW-151
General # 1621

Headlight Switch 3601624
Ambassador 1970-73, 1979-'80
AMX 1969-'70, 1974-'80
Concord 1978-'80 Gremlin 1970-'80
Hornet 1970-'80 Javelin 1969-'70, 1974-'80
Matador 1970-'73, 1979-'80
Pacer 1975-'80 Spirit 1979-'80

**AES-1112-24A**

Valley Forge # HS-55
General # 1621

Headlight Switch
AMC 3601624, Delco 1972514
2448823, 2580436, 2582496,
2584929, 2809087, 2820792,
CH-2563, CH-2640 Barracuda 1937-'69
Dart 6 1963-'65, 1967-'77
Demon 1974-'77 Valiant 1963-'65, 1967-'77



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1112-25

Headlight Switch
VW 113-941-531B



AES-1112-25A

Headlight Switch
111 941 531A
111 941 531E
113 941 531E
Beetle '49-'92
Beetle Cabrio (15) '64-'81
Volkswagen '69-'79



AES-1112-26

Headlight Switch
VW 211-941-531B
BAQ 941-531B



AES-1112-27

Headlight Switch
For Kada



AES-1112-28

Standard # DS-199
Valley Forge # HS-109
General # 1650
Echlin # HL-6641
Wells # SW-226
Headlight Switch
D3TZ, E0HZ,
E1HZ-11654A, SW-1157
Ford Truck 1972-'80
Daimler Truck
Uta 73056591



AES-1112-29

Standard # DS-183
Valley Forge # HS-103
Headlight Switch
3746821, 3747169, 3747216
Chrys Corp Carts '84-'75
Dodge Trucks '83-'78



AES-1112-30

Standard # DS-220
Valley Forge # HS-120
Echlin # HL-6656
Headlight Switch
3240717, 8956001197,
56007334
American Motors '88-'82
Jeep '89-'84



AES-1112-31

Standard # DS-150
Valley Forge # HS-25
General # 1669
Headlight Switch
C5ZZ-11654B, C6DZ-11654A,
DOHZ-11654B, SW-441, 544, 902
Falcon 1965-'70
Ford Truck 1965-'76
Mustang 1965-'69



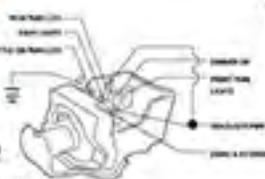
AES-1112-32

Standard # DS-177
Valley Forge # HS-99
General # 1733
Echlin # HL-6613
Wells # SW144
Headlight Switch.
1995159, 170, 160, 182, 188, 192,
193, 195, 199, 203, 216, 217, D-1543,
61, 67, 83, 85, 89, 91, 93, 97, 99
Buick '68-'80 Cadillac '82-'88
Chevrolet '71-'90
Chevrolet/GMC Trucks '73-'94
Oldsmobile '68-'90 Pontiac '68-'68



AES-1112-34

Standard # DS-155
Valley Forge # HS-5
General # 1729
Echlin # HL-6554
Wells # SW-141
AC Delco # D1588
Cole Hersee # 71092
Headlight Switch, 12V 26Amps
Dia 7/16"-28UNF Thread.
1995156, 165, 173, 175, 179, 186, 194;
D-1559, 79, 80, 81, 88, 92 Buick '64-'73
Chevrolet '64-'89 Chevrolet/GMC
Trucks '71-'94 Oldsmobile '67-'73 Pontiac '70-'73



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1112-48

Standard # DS180

Headlight Switch

Ford97

D0ZZ-11654A; SW-928

C9ZZ-11654-AR



AES-1112-51

Cole Hersee # 7127

3 Position Headlight Switch

Off-Park&Tail-Head-Tail

With 20A at 12VDC fuse,

black knob printing "LIGHTS".

Four screw terminals, plated steel

case mounting stem with 7/16"-28 thread.



AES-1112-52

Cole Hersee # 7124

3 Position Headlight Switch

Off-Park&Tail-Head-Tail

15Ampers per circuit at 12VDC.

Four screw terminals, plated steel

case mounting stem with 7/16"-28 thread.



AES-1112-53

Cole Hersee # 91811

12VDC, 10Amps

Normally ON-MOM off- MOM ON, Two Circuits,

7/16"-28 thread mounting stem, 3/4" (19mm) long,

flat on stem for mounting in D hole.

Four screw terminals, Plunger 23/64" (9.2mm) long.

Extra-heavy duty.

School Bus Momentary Switch, 2 circuits.

(Designed for use in 8 light warning systems in school buses)



AES-1112-54

Cole Hersee # 91804

12VDC, 10Amps.

Normally ON. Momentary OFF.

7/16"-28 thread mounting stem,

3/4" (19mm) long, flat on stem for

mounting in D hole. Six screws.

Plunger 23/64" (9.2mm) long.

Extra heavy duty.

School Bus Momentary Switch, 4 circuits.

(Designed for use in 8 light warning systems in school buses)



AES-1112-55

Cole Hersee # 7112

Headlight and Worklight Switch

12VDC, 10Amps

4 Position: OFF-Park & Tail - Low Beam

& Tail - High Beam & Tail

Thread: 3/8" - 28



AES-1112-55A

Headlight and Worklight Switch

12VDC, 10Amps

4 Position: OFF-Park & Tail - Low Beam

& Tail - High Beam & Tail

Thread: 7/16" - 28



Rotary & Headlight Switches

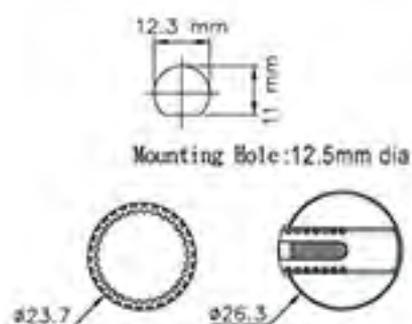
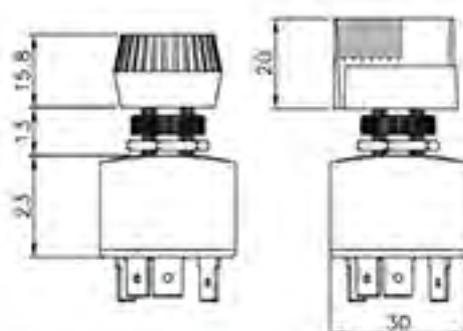
Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1112-61 type

- Capacity: 12VDC 20Amps
- Compact, with a very positive detent action and snap-on knobs.
- Durable Nylon body, knob and stem, aluminum hardware and plated brass terminals.



Knob A

Knob B



AES-1112-61-P3-A OFF-ON-ON #72171-01 #4023			
AES-1112-61-P4-A OFF-ON-ON-ON #72170			

AES-1112-61-P3-B OFF-ON-ON #269500 #72171-04			
AES-1112-61-P4-B OFF-ON-ON-ON #269000 #72170-04			

Rotary & Headlight Switches

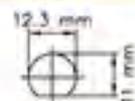
Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

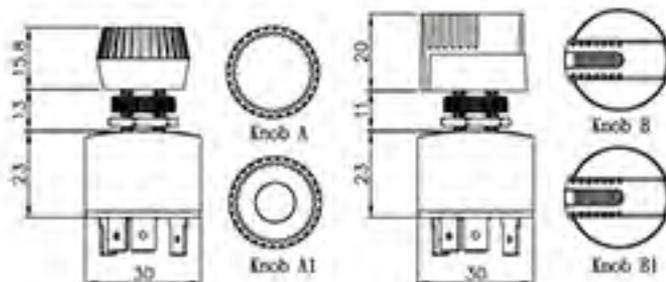
Dimmer Switches

AES-1112-62 type

- Capacity: 12VDC 10Amps
- Compact, with a very positive detent action and snap-on knobs.
- Durable Nylon body, knob and stem, aluminum hardware and plated brass terminals.
- Illuminated or non-illuminated type.



Mounting Hole: 12.5mm dia



Knob A



Knob A1



Knob B



Knob B1



AES-1112-62-P2A-A OFF-ON #72150-01 #4020			
AES-1112-62-P2A-AM OFF-(ON) #72151-01			
Illuminated AES-1112-62-P2A-A1 OFF-ON #209940/72150-01 (orange/green) Red #200200/72160-04 Orange #260400 Green #260600 #4021			
Illuminated AES-1112-62-P2A-A1M OFF-(ON)			
AES-1112-62-P2B-A ON-ON #10000			
AES-1112-62-P2B-AM ON-(ON)			
Illuminated AES-1112-62-P2B-A1 ON-ON			
Illuminated AES-1112-62-P2B-A1M ON-(ON)			

AES-1112-62-P2A-B OFF-ON #260000 #72150-02 #4021			
AES-1112-62-P2A-BM OFF-(ON) #261000 #72151-02			
Illuminated AES-1112-62-P2A-B1 OFF-ON Red #260200/72160-01 Orange #260400 Green #260600			
Illuminated AES-1112-62-P2A-B1M OFF-(ON)			
AES-1112-62-P2B-B ON-ON #262000			
AES-1112-62-P2B-BM ON-(ON)			
Illuminated AES-1112-62-P2B-B1 ON-ON			
Illuminated AES-1112-62-P2B-B1M ON-(ON)			

Rotary & Headlight Switches

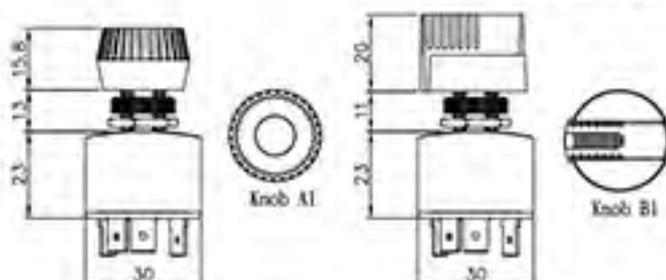
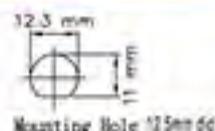
Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

Rotary Switch AES-1112-63 type

- Capacity: 12VDC 10Amps
- Compact, with a very positive detent action and snap-on knobs.
- Durable Nylon body, knob and stem, aluminum hardware and plated brass terminals.
- Illuminated or non-illuminated type.



Knob A



Knob A1



Knob B



Knob B1



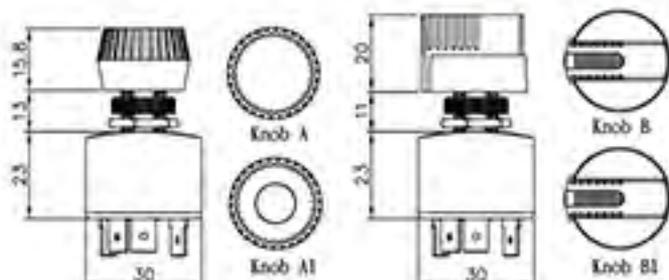
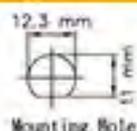
AES-1112-63-P3A-A ON-OFF-ON			
AES-1112-63-P3A-AM (ON)-OFF-(ON)			
AES-1112-63-P3A-AMR ON-OFF-(ON) #258000			
AES-1112-63-P3A-AML (ON)-OFF-ON			
Illuminated AES-1112-63-P3A-A1 ON-OFF-ON Red #254200 Orange #254400 Green #254600			
Illuminated AES-1112-63-P3A-A1M (ON)-OFF-(ON)			
Illuminated AES-1112-63-P3A-A1MR ON-OFF-(ON)			
Illuminated AES-1112-63-P3A-A1ML (ON)-OFF-ON			
AES-1112-63-P3A-B ON-OFF-ON #264000			
AES-1112-63-P3A-BM (ON)-OFF-(ON) #265000 #72154			
AES-1112-63-P3A-BMR ON-OFF-(ON) #268000			
AES-1112-63-P3A-BML (ON)-OFF-ON			
Illuminated AES-1112-63-P3A-B1 ON-OFF-ON Red #264200 Orange #264400 Green #256600			
Illuminated AES-1112-63-P3A-B1M (ON)-OFF-(ON)			
Illuminated AES-1112-63-P3A-B1MR ON-OFF-(ON)			
Illuminated AES-1112-63-P3A-B1ML (ON)-OFF-ON			

Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator
 Stop Light Switches
 Dimmer Switches

AES-1112-64 type

- Capacity: 12VDC 10Amps
- Compact, with a very positive detent action and snap-on knobs.
- Durable Nylon body, knob and stem, aluminum hardware and plated brass terminals.
- Illuminated or non-illuminated type.



Knob A



Knob A1



Knob B



Knob B1



<p>AES-1112-64-P3A-A OFF-ON-ON #72152-01</p>			
<p>AES-1112-64-P3A-AM OFF-ON-(ON) #257000</p>			
<p>Illuminated AES-1112-64-P3A-A1 OFF-ON-ON Red # 253200/72161-04 Orange # 253400 Green # 253600/75161-06</p>			
<p>Illuminated AES-1112-64-P3A-A1M OFF-ON-(ON)</p>			
<p>AES-1112-64-P3B-A ON-ON-ON #246000</p>			
<p>Illuminated AES-1112-64-P3B-A1 ON-ON-ON</p>			
<p>AES-1112-64-P3A-B OFF-ON-ON #263000 #75152-02</p>			
<p>AES-1112-64-P3A-BM OFF-ON-(ON) #267000</p>			
<p>Illuminated AES-1112-64-P3A-B1 OFF-ON-ON Red # 263200/72161-01 Orange # 263400 Green # 263600/75161-03</p>			
<p>Illuminated AES-1112-64-P3A-B1M OFF-ON-(ON)</p>			
<p>AES-1112-64-P3B-B ON-ON-ON #266000</p>			
<p>Illuminated AES-1112-64-P3B-B1 ON-ON-ON</p>			

Rotary & Headlight Switches

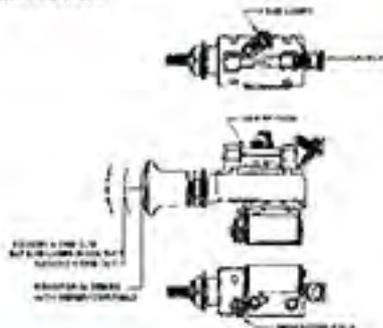
Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

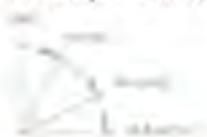
Dimmer Switches

AES-1112-46

Tractor Headlight Switch
12VDC
Supplied with 20Amps Fuse,
2.2 Ohms Resistor,
OFF-ON-ON

**AES-1411-31**

Master Switch
For Caterpillar 3K3160

**AES-1411-31A**

Master Switch

**AES-1411-31B**

Master Switch

**AES-1411-31C**

Master Switch
Combination Battery Ignition,
Headlight Light or Work Light Switch
For John Deere 40, 50, 60, 70, 320,
330, 420 & 430, 620 and 630 tractors.
Replace # AM1866T, AA5071R

**AES-1411-40A**

Master Switch
Combination Ignition/Headlight/Work
Light Switch. For 12VDC systems.
Replace John Deere 530
and 630 tractors.
Replace John Deere AR20430

**AES-1411-40B**

5 POSITION LIGHT SWITCH LESS KNOB:
Fits John Deere Models-GAS / DSL:
830 (3 CYL), 920, 1040, 1140, 1530,
1640, 1830, 2030, 2040, 2040S, 2240,
2440, 2630, 2640, 2840, 3030
(SN 162948 & UP),
3130 (SN 162948 & UP); 300B IND &
FOLLOWING WITHOUT
SOUND GARD CAB: 2150, 2155, 2255,
2355, 2550, 2555, 2755, 2855, 2940,
2950 - 5 SPADE TERMINALS --- 1/2"
DIAMETER THREADED END - AR66478

**AES-1411-40C**

4 POSITION LIGHT SWITCH WITHOUT KNOB:
Fits John Deere Models-GAS / LP / DSL:
1010, 1020, 1520, 2010,
2020 --- FOLLOWING GAS / LP ONLY:
3010, 3020 (UP TO SN 67999),
4010, 4020 (SN 65000 - 90999) ---
COMBINES: 45 THRU 105 - 6
SPADE TERMINALS --- 1/2"
DIAMETER THREADED END - AR28401

**AES-1411-40D**

4 POSITION LIGHT SWITCH WITHOUT KNOB:
Fits John Deere Models-DIESEL:
3010, 3020 (SN 67999-122999),
4010, 4020 (SN 65000 - 90000),
5010 (UP TO SN 004499),
8020 - 8 SPADE TERMINALS --- 1/2"
DIAMETER THREADED END - AR28402

**AES-1411-40E**

4 POSITION LIGHT SWITCH WITHOUT KNOB:
Fits John Deere Models-DIESEL:
3010, 3020 (SN 67999 - 122999),
4010, 4020 (SN 65000 - 90999),
5010 (UP TO SN 004499),
8020 - 8 SPADE TERMINALS --- 1/2"
DIAMETER THREADED END - AR28402



Rotary & Headlight Switches

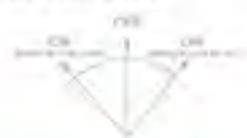
Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1411-19

Cole Hersee # 75701
Forklift Switch
Universal Rotary Switch.
Available in full range of
circuitries and styles
for lighting, ignition and
similar applications.
For Caterpillar 2S-2432,
8S-7713, 7N-4160
20 Amps, 12VDC



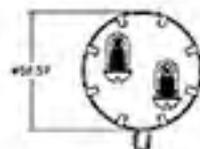
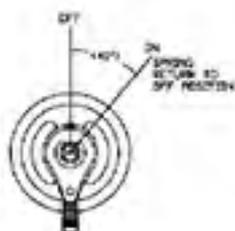
AES-1411-19A

Cole Hersee # 75712-04
Head Lamp rotary & Fuel Tank Switch
Hi-Amp forward/Reverse
DPDT. Silver-laminated contacts.
50Amps 3 Position, 4 terminals.



AES-1411-19B

OFF-(ON) Switch
With 2 screws.



AES-1411-35

For Farm Tractor
Lucas 359100



AES-1411-36

Ignition Starter Switch
For Caterpillar



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1113-9

Standard # SLS-93
Valley Forge # MS-103
General # 3096

Stop Light Switch
(Use with Power Brakes)
SW-1368, 1512, 1886
D6UZ, E3UZ-13480A,
E8TZ-13480B

**AES-1113-10**

Standard # SLS-87
Valley Forge # MS-101
General # 3087
Cole Hersee # 8723

Stop Light Switch
(Use with Standard Brakes)
SW-752, 862, 864,
1255, 1257
D58Z, C9VY-13480A,
C8ZZ-13480B

**AES-1113-11**

Valley Forge # MS-13
Standard # SLS-84

Stop Light Switch
3215939, Delco A-850
AMC (All w/Standard Brakes)
Jeep (All w/Standard Brakes)

**AES-1113-12**

Standard # SLS-79
Valley Forge # MS-96
General # 3083
Cole Hersee # 8732

Stop Light Switch SPST,
Normally Off (Use with Standard Brakes)
D1-ZZ, E3ZZ, E6ZZ, D3VY,
D5TZ-13480A C9AZ-13480-A, C, D,
SW-860, 861, 989, 1199, 1258, 864A,
B Ford Products 1969-'88
Mercury Products 1969-'88

**AES-1113-14**

Valley Forge # MS-106
General # 3099

Stop Light Switch
D0TZ, E3TZ-13480A,
SW-1575, 1737
(Use with Standard Brakes)
Bronco U150 1980-81
Ford Truck F100/350 1980-82
Truck 1983-84

**AES-1113-15**

Valley Forge # MS-14
General # 3086

Stop Light Switch
Normally Open.
(Use with Standard Brakes)
D1ZZ-13480A, D5TZ,
D5LY-13480A, SW-989, 1253

**AES-1113-20**

Standard # SLS-110
Valley Forge # MS-110

Stop Light Switch
2 End Terminals, Normally Open;
2 Side Terminals, Normally Closed,
1/2" - 20 UNF Thread. GM-9794682
GM Products w/Cruise Control
25504628, 25524846 Holden 09794682
Toyota 25524845, 9794682

**AES-1113-21**

Standard # SLS-66
Cole Hersee # 8715
Valley Forge # MS-43
General # 3118

Stop Light Switch
SPST Normally ON
Mounting stem: 1/2" diameter, 1 5/32" long.
AMC 5352620, GM 536289, 1362835, 1998192,
3886907, D815, 864, 866, 876, U-850, FC32200, FC32085,
1261219, Ford D2TZ-13480-B, Chrysler 2809033, IHC 358560

**AES-1113-22**

Stop Light Switch
For Toyota
84340-10010, 84340-10011
84340-10013, 84340-30010
84340-30011, 84340-30012
84340-30013, 25312-90000

**AES-1113-22A**

Standard # SLS-123
General # 3191
Stop Light Switch 2 Terminals,
Normally Closed Toyota Pick-up 77-75
For Toyota 84340-12020, 84340-12021
84340-20010, 84340-20011
84340-22060, 84340-22070
84340-22071, 84340-22072
84340-35010, 84340-36030

**AES-1113-22C**

Valley Forge # SL-45
General # 3001
Stop Light Switch
For Toyota
84340-25010,
84340-36020
For Nissan
25320-02700

**AES-1113-22D**

Stop Light Switch
For Toyota
84340-10020, 84340-28010
84340-30030, 84340-30040
84340-32010



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1113-23

Valley Forge # MS-115
 General # 3183
 Standard # SLS-101
 Stop Light Switch For Datsun
 2 Terminals, Normally open.
 For Nissan 25320-H1000, 25320-H5001
 25320-73000
 25320-73001, 25320-89910



AES-1113-23A

Standard # SLS-106
 General # 3188



AES-1113-23B

Stop Light Switch
 For Nissan
 25320-01B00, 25320-21P00
 25320-28E00, 25320-75A00
 For Isuzu
 8-94118-754-1, 8-84362-930-0



AES-1113-24

Standard # SLS-105
 Stop Light Switch
 For Toyota 2R, 3R TS-630
 GM: 94024700, 94026196
 For Honda: 35350-634-003
 For Isuzu: 5-82440-015-0,
 2 Terminals, Open.



AES-1113-25

Stop Light Switch
 Merit No. 434300



AES-1113-26

Standard # SLS-103
 Valley Forge # MS-123
 General # 3191
 Stop Light Switch
 4 Terminals, Normally Open.
 For Toyota
 84340-12010, 84340-12011,
 84340-12012, 84340-22020,
 84340-30021, 84340-30022, 84340-30023



AES-1113-27

Valley Forge # MS-116
 General # 3184
 Stop Light Switch
 Mitsubishi MB-113081
 For Datsun 25320-G0300
 For Honda
 35350-601-000,
 35350-601-003
 35350-634-003



AES-1113-27A

General # 3189
 Standard # SLS-109
 Stop Light Switch
 For Honda
 35350-679-003



AES-1113-28

Standard # SLS-100
 Valley Forge # MS-117
 General # 3185
 Stop Light Switch
 For Mitsubishi MA616125,
 MA113080,
 MB196506,



AES-1113-29

Standard # SLS-104
 Valley Forge # MS-118
 General # 3186
 Stop Light Switch
 Mazda 0233-66-790,
 2 Terminals, Normally Open.
 Mitsubishi MT138890,
 MB-113078



AES-1113-30

General # 3001
 Standard # SLS-27
 Cole Hersee # 8629
 Stop Light Switch SPST, Normally Off
 Pressure: 3.8KG/SQ.CM
 Mounting Stem: 1/8"-27 dryseal thread, 11/32" long.
 Toyota 84340-25010, 84340-36020,
 GM 1320938, 1328118,



AES-1113-31

General # 3002
 Cole Hersee # 8626
 Stop Light Switch
 SPST, Normally Off
 Pressure: 3-8KG/SQ.CM
 Mounting Stem: 1/8"-27 dryseal thread, 11/32" long.
 Terminals: two 6-32 screw
 Wagner FC-1201, FC5106
 GM 403936, 476592, 3136600



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1113-32

Standard# SLS-102

Stop Light Switch PSI 8-9

Heavy Duty Type

721461, 2008780, 2055294, 2327054

Two Terminals, Normally open,

GM Trucks 88-73

Ford Trucks 96-86

**AES-1113-32A**

Stop Light Switch

Same as AES-1113-32,

except PSI 2-5.

**AES-1113-34**

Back up Alarms switch

Light Duty Universal

Actuated by shift lever or linkage.

For vehicles without back up lights.

12VDC, 5Amps.

S.P.S.T. Normally Open.

Adjust Arm

**AES-1113-34A**

Back up Alarms switch

Light Duty Universal

Actuated by shift lever or linkage.

For vehicles without back up lights.

12VDC, 5Amps.

S.P.S.T. Normally Open.

**AES-1113-35**

Stop Light Switch

Normally Open

Circuit normally open at 0 pressure.

P.T. Supply 1/4"

**AES-1113-36**

Low Pressure Switch

12 or 14VDC

1/8" NPT

Circuit normally open at 0 pressure.

Actuates at 66 psi.

**AES-1113-37**

Parking Brake Switch

**AES-1113-38**

Stop Light Switch

83420-10020

**AES-1113-41**

Oil Pressure Switch ???



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1114-11

Standard # DS-68
Valley Forge # DS-113
Pollak # 52-251
Cole Hersee # 7776
Echlin # DS-112
Wells # UDS 421

SPDT, On-On

Depress-release for Low beam,
depress-release for High beam.

Mounting: two 7/32" diameter holes, 1 5/8" on centers.

AM: 3156124, 3160926

Chry.: 1841895, 1881938, 2097628, 2291202,

CH-2437, Ford B9A-13532A, 2701524, Stude 1547356



AES-1114-12

Standard # DS-70
Valley Forge # DS-5
Pollak # 52-252
Cole Hersee # 7702
Echlin # DS-114
Wells # UDS 418

SPDT, On-On

Depress-release for Low beam,
depress-release for High beam.

Mounting: two 7/32" diameter holes, 1 5/8" on centers.

COTF-13A024A, COTA-13024A, SW-263

Ford Truck '59-'95

Ford, Lincoln, Mercury '59-'86



AES-1114-13

Standard # DS-72
Valley Forge # DS-7
Pollak # 52-253
Echlin # DS-115
Wells # UDS 419

SPDT, On-On

Depress-release for Low beam,
depress-release for High beam.

Mounting: two 7/32" diameter holes,
1 5/8" on centers.

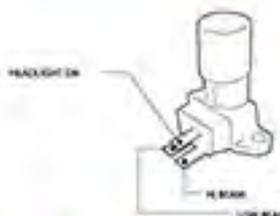
AM: 538446, 539288

GM: 1997028, 7031, 7036,

7037, 7040, 7043,

D-803, 7, 8, 3841892, Jeep 931201

IHC: 370677C91



AES-1114-14

Standard # DS-40
Valley Forge # DS-61
Cole Hersee # 7769
Echlin # DS-101
Wells # UDS 400.401

Universal Type SPDT, On-On

Depress-release for LOW beam,
depress-release for

HIGH beam. Mounting: three 1/4"-20
tapped holes, 3/4" and 1 3/4" on centers.

Stem: 27/32" diameter. 801903, 805710, 1253003, 1253460,

1265024, A1AZ-13A024A, 1997703, 1997014, D-805

Most GM Cars & Trucks 1946-'60



AES-1114-15

Valley Forge # DS-96
Standard # DS-79
Echlin # DS-125
Wells # UDS 424
7838234, 1997045, D-812, 817
Buick 1978-'80
Chevrolet 1978-'80
GMC 1978-'80
Oldsmobile 1978-'80
Omega 1978-'80
Pontiac 1978-'80



AES-1114-16

Valley Forge # DS-97
Standard # DS-75
Echlin # DS-127
Wells # UDS 426
1997046, 1997068,
7841239, 26035244,
D801A, D819
Buick 1980-'82
Celebrity 1980-'82
Citation 1980-'82
Citation 1980-'81
Omega 1980-'81
Dhoniex 1980-'81
Skylark 1980-'82



AES-1114-17

Universal &
Heavy Duty Type
DS-19



AES-1114-18

Valley Forge # DS-98
Standard # DS-77
General # 2916
Cole Hersee # 7794
Echlin # DS-130
Wells # UDS 430

Terminal: three blades.

AM: 3239703

GM: 7832411, 7819567, 7830217

Buick 1977 Chevrolet 1977

Corvette 1977-78, 1980

Oldsmobile 1977 Pontiac 1977

Toronado 1977 Delco 1997045, 7838234, D-812



Rotary & Headlight Switches

Headlight Switches for Farm Tractor & Excavator

Stop Light Switches

Dimmer Switches

AES-1114-19

Cole Hersee # 7792-01

Normally off

Depress to On, Spring return to Off
Mounting: three 1/4" 20 tapped holes,
3/4" and 1 3/4" on centers.

Stem: 7/8" diameter.

Rugged, Corrosion,
Resistant Die-casting Metal Housing**AES-1114-20**

Cole Hersee # 7792

Normally off - Depress to On,
Spring return to Off.Mounting: three 1/4" 20 tapped holes,
3/4" and 1 3/4" on centers.

Stem: 7/8" diameter.

Sealing: weatherproof and dustproof,
heavy plastic coating protects against moisture,
dust and road splash. Rugged, Corrosion,
Resistant Die-casting Metal Housing**AES-1114-21**

Cole Hersee # 7787

Depress-release for LOW beam,
depress-release for HIGH beam.Mounting: two 1/4"-20 tapped holes,
1 3/4" on centers.

Stem: 7/8" diameter.

Delco U-802

Push on, Push off

Rugged, Corrosion,

Resistant Die-casting Metal Housing

**AES-1114-22**

Cole Hersee # 7786

General # 2904

Standard # DS-40

SPDT, On-On

Depress-release for LOW beam,
depress-release for HIGH beam.Mounting: three 1/4"-20 tapped holes,
3/4" and 1 3/4" on centers.Stem: 1 1/16" diameter. Delco D-805,
U-802 1997008, 1997014Push on, Push off Rugged, Corrosion,
Resistant Die-casting Metal Housing**AES-1114-23**

Cole Hersee # 7785

Headlight Dimmer Switch
Sealing: Weatherproof
and dustproof heavy
plastic coating on case
and wire leads
Delco 1994085**AES-1114-24**

Cole Hersee # 7762

Headlight Dimmer Switch.

SPDT, On-On

Depress-release for Low beam,

depress-release for High beam,

Mounting: two 9/32" Diameter Holes,
1 3/4" on centers.

Terminal: Three Blades.

**AES-1114-25**

Cole Hersee # 7700

Universal Headlight Dimmer Switch

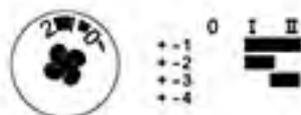
Mounting: three 1/4"-20 tapped holes,
3/4" and 1 3/4" on centers.

Stem: 27/32" diameter.

Terminations: three 16 gauge leads,
5.75" long.

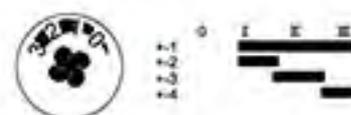
AES-1112-61-P3-A OFF-ON-ON

259515
72171-01
4023
Single Pole Double Throw



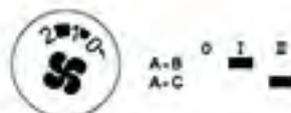
AES-1112-61-P4-A OFF-ON-ON-ON

Single Pole 3 Throw



AES-1112-64-P3A-A OFF-ON-ON

253000/72152-01



AES-1112-71

Cole Hersee # 75212-04
Single Wiper Motor Switch
For 12VDC and 24VDC
3 position: OFF/PARK-LOW-HIGH
4 blade terminals.



AES-1112-71A

Single Wiper Motor Switch
For 12VDC and 24VDC
3 position: OFF/PARK-LOW-HIGH
4 blade terminals, Without Knob.



AES-1112-72

Cole Hersee # 75217-04
Double Wiper Motor Switch
For 12VDC and 24VDC
3 position: OFF/PARK-LOW-HIGH
6 blade terminals.



AES-1112-74

Wiper Switch



AES-1112-75

Wiper Switch



AES-1113-16

Neutral Switch
Mounting 3/4"-16 UNF,
2A Thread, 22mm Hex.
Normally off Miniaturized,
Silver Contacts.

**AES-1113-17**

Universal Back-up
or Neutral Switch
Normally Off
3/4"-16 UNF, 2A Thread,
22mm Hex.

**AES-1113-17A**

Cole Hersee # 9242
Neutral/Ball Up Switch Closed with
plunger depressed, spring return to ON.
SPST Normally Open, 2 Screw Terminals,
Rating: 12VDC, 35Amps
24 VDC, 20Amps.

**AES-1113-17B**

Cole Hersee # 9134
Pollak # 21-458
Neutral/Ball Up Switch
Closed with plunger depressed,
spring return to ON. Normally Open.
SPST
2 Bullet Terminals.
Rating: 12VDC, 35Amps
24 VDC, 20Amps.

**AES-1113-18**

Neutral Safety
Starter Switch
Silver Contacts
Mounting Stem 3/4"-16 UNF,
2A Thread, 29mm Hex.

**AES-1113-18A**

Same as AES-1113-18
Two Female (Turret Type)
Silver Contacts
Mounting Stem 3/4"-16 UNF,
2A Thread, 29mm Hex.

**AES-1113-19**

Neutral Safety
Starter Switch
Silver Contacts
Mounting Stem 9/16"
-18 UNF, 2A Thread,
29mm Hex.

**AES-1113-19A**

Cole Hersee # 9224
Neutral Safety Starter Switch
SPST, Normally ON
Mounting stem 3/4" - 16
UNF-2A Thread, 31/64" long with
aluminum gasket/washer, 29mm Hex.
Clark 224620

**AES-1113-33**

Standard # LS-201
Neutral Switch
Normally open, 2 terminals,
9/16"-18UNF Thread.
NS103/3486270
Chry.: 2258404, 4221462,
587, 949, 4373814



AES-1115-14

Valley Forge # L-815
Pollak # 52-616
Door Jamb Switch
Universal Insulated Type
10 Amps, Two Terminals,
Circuit is Made When Plunger Out.
For Mounting Holes.
Can be used on Alarms, Door,
Hoods or Trunks.
Chrys. 882943, K-F204229



AES-1115-14A

Cole Hersee # 9050
Door Jamb Switch
Universal Insulated Type
10amps, one Terminal,
Mounting holes: 9/64" diameter,
1 3/8" on centers.



AES-1115-15A/B/C

Valley Forge # L-1430
Valley Forge # L-1433
Valley Forge # L-1434
Door Jamb Switch
12 V, Self-grounding
Circuit is Complete
When The Switch is Full Extended.
Can be used on Alarms,
Doors, Hoods or Trunks.
A: Length - 74.5mm
B: Length - 65.5mm
C: Length - 51mm



AES-1115-16B/C

Door Jamb Switch
B: Length - 65mm
C: Length - 51mm



AES-1115-17

Door Jamb Switch



AES-1115-18

Door Jamb Switch



AES-1115-21

Door Switch



AES-1115-22

Door Switch



AES-1117-11

Standard # HB-6
General # 4520
Pollak # 52-661
Valley Forge # L-810
Momentary Push Button Switch
Rating: 5Amps, @12Volts DC.
Momentary Push-Button switch for
operating Fog Horns and sirens.
Plastic Button and Chrome Plated Brass Shell
and Mounting Bracket. Overall Length 2-5/8",
1 1/2" Diameter. Mounting Centers 2-1/16"



AES-1117-11A

Standard # 3930
General # 3930
Momentary Push Button
Switch for Marine use
Same as item AES-1117-11
except with chromed plated brass shell.
Brass construction fights corrosion
and weather in tough environments.



AES-1117-11B

Standard # HB-6B
General # 4521
Pollak # 52-777
Cole Hersee # 96100
Valley Forge # L-811
Momentary Push Button Switch
Rating: 5 Amps, @12 Volts DC,
With Clamp-on Bracket for
Steering Column Mounting,
Steel Shell. Chrome Plated,
Plastic Button.



AES-1117-16

Standard # HB-7
Cole Hersee # 96102
General # 4522
Pollak # 52-660
Valley Forge # L-812
Horn Button
Rating 5 Amps @12 Volts DC
With Clamp-on Bracket for
Steering Column Mounting.



AES-1117-20

Cole Hersee # 40100
Single Buzzer Control Switch
For Bus, Rapid Transit and Other
Public Transportation Vehicles
(For up to 30VDC Applications).
Used to Energize Signal Alarm.
Extra Heavy Duty.
Delco 1998723, 1998020



AES-1118-19

Horn Switch
Automatic Reverse
(Short) Off-On 2P,
12 VDC 15Amps 180W



AES-1118-20

Horn Switch
Automatic Reverse
(Long) Off-On 2P
12VDC 15Amps 180W



AES-1117-12

Starter Button Switch
Merit no. 201000
Use for Datsun 120Y, 160J.

**AES-1117-13**

Starter Button Switch
Same as AES-1117-12
with Rubber Cover
Use for Datsun B-310

**AES-1117-22**

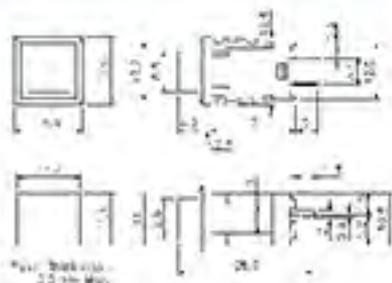
Push Button Switch
125V, 3A, 50 Ohms Max.
DC 500V, 100Ohms 1 min.
AC 1000V, 1 min.
Color: Red, Black and White

**AES-1117-38**

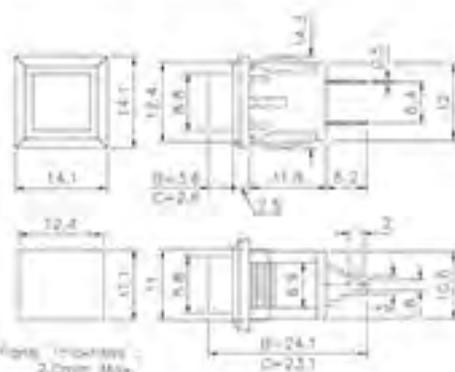
PUSH BUTTON SWITCH
RATING: 10AMPS 125AC;
6AMPS 250V AC
2P. SPST, OFF-(ON)
MEET IP65

**AES-1118-67A**

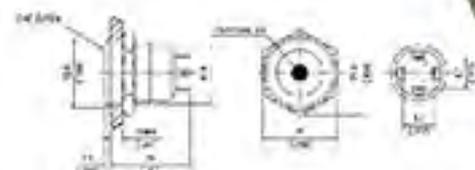
Miniature Push-Button Switch
125V AC 1Amps.
Cap color: Blue, Black, Green, White or Yellow.

**AES-1118-67B/67C**

Miniature Push-Button Switch
12V AC 1 Amps.
AES-1118-67B: Normal Open
AES-1118-67C: Normal Closed
Cap color: Blue, Black, Green, White or Yellow.

**AES-1117-39**

Illuminated Push Button



AES-1117-15

Pollak # 24-360
 Standard # SSB-5
 Valley Forge # PB-1
 General # 4200
 Heavy Duty Push Button Switch
 SPST, Mounting diameter 16mm,
 Rating: 12VDC, 60Amps
 24VDC, 40Amps
 Supplied with Neoprene Boot.
 Die-casting Construction with Silver Contacts.
 1996097, SW-1163, D3HZ-11500A



AES-1117-15N

AES-1117-15 with Protection Collar.



AES-1117-15C

Heavy Duty
 Push Button Switch
 Same as AES-1117-15,
 except with 2 studs.



AES-1117-18

Cole Hersee # 90030
 Heavy Duty Type,
 Plastic Push Button,
 Rubber Cap
 and Mounting Nut.



AES-1117-19

Cole Hersee # 90011
 Pollak # 24-359



AES-1117-19A

Heavy Duty
 Type with Chrome
 Push Button
 and Face Nut
 Same as item AES-1117-19
 Except with plastic nut.



AES-1117-35

Cole Hersee # 9216-03
 Push Button Switch
 2 Screw terminals, Mounting Stem:
 5/8"-32 thread, 21/32" long.
 With screw-on black rubber
 protective cap.



AES-1117-37

PUSH BUTTON SWITCH
 12VDC 60AMPS



AES-1117-17

Cole Hersee # M-608
 General # 3936
 Plastic Dipped Moisture-Proof
 Push Button Starter & Horn Switch,
 Supplied With a Special
 Moisture-Proof
 and Dust-Proof Rubber Cap.
 Insulated Type
 Push-Button Starter and Horn Switch.



AES-1117-14

General # 2876
 Universal Starter Switch
 Rating: 25 Amps @6 Volts 15 Amps
 @12 Volts,
 Insulated, Two Screw Terminals,
 Mounts Through 5/8" Hole
 Chrys. 903437, 1237123, K-F700502,
 IHC 80949-R1, AL-XA-456E, 153766R91



AES-1117-31

Pull Switch
1 screw terminal

**AES-1117-32**

Pull Switch
2 screw terminals

**AES-1117-33**

Pull Switch
12VDC 10Amps
2 screw terminals
Thread: 7/16-28

**AES-1117-34**

Cole Hersee # 91801
Momentary Switch 12VDC 10Amps
Off with plunger depressed,
spring return to ON.
For energizing 2 circuits
simultaneously.
Popular for use in school
bus stepwell and door control.
4 blade terminals.

**AES-1117-36**

ENGINE START SWITCH
RATING: 50A, 12VDC
3P, SPST, OFF (ON)
TERMINAL: SC M4
COLOR: RED LED/RED LENS

**AES-1511-17**

Push Button Switch
6 Pins (1,2,3,4,5,6)
0054282

**AES-1511-18**

Push Button Switch
2 Pins (2,3)
0090892

**AES-1511-18-C**

Push Button Switch
2 Pins (2,3)
Printing Symbol: Raise

**AES-1511-19-C**

Push Button Switch
2 Pins (1,6)
Printing Symbol: Horn

**AES-1511-19-CR**

Push Button Switch
2 Pins (1,6)



AES-1117-23

Neon Indicator Light
Fits ϕ 15mm
Color:
Red, Orange and Green



AES-1117-24

Indicator Light
Fits ϕ 15mm
Color:
Red, Orange and Green



AES-1117-25

Indicator Light
Fits ϕ 15mm
12VDC
Color:
Red and Orange and Green



AES-1117-26

Indicator Light
Fits ϕ 15mm
Color: Red, Orange and Green



AES-1117-27

Indicator Light
Fits ϕ 12.5mm



AES-1117-28

Indicator Light
Fits ϕ 9.5mm



AES-1117-29

Indicator Light
Fits ϕ 8mm
12VDC
Color: RED, Green, or Yellow



AES-1117-29L

Indicator Light
Fits ϕ 8mm
12VDC
Color: RED, Green, or Yellow



AES-1117-30

Indicator LED Light
12VDC
Fits ϕ 2.15mm



AES-1117-122L

Indicator LED Light
12VDC
Fits ϕ 2.15mm



AES-1117-301-1R

LED INDICATOR LIGHT
RED LED
24V 20AMPS
TERMINAL: 6.3MM



AES-1117-302L

LED indicator light
12V/24VDC
Snap-in Type



AES-1117-303L

LED indicator light
12V/24VDC
Snap-in Type



AES-1117-304L

LED indicator light
12V/24VDC
Snap-in Type



AES-1117-305L



AES-1118-11

On-Off 2 Position
125V, 3Amps

**AES-1118-18**

125V, 3Amps, On-Off

**AES-1118-12**

Toggle Switch
12VDC, 10Amps



Item no.	Circuitry	Terminal	Type	Remark
AES-1118-12	ON-OFF	2 screws	SPST	
AES-1118-12M	(ON)-OFF	2 screws	SPST	
AES-1118-12A	ON-OFF	2 screws	SPST	with extra ON/OFF face plate

AES-1118-14

Toggle Switch
12VDC, 10Amps

Item no.	Circuitry	Terminal	Type
AES-1118-14	ON-OFF-ON	3 screws	SPDT
AES-1118-14M	(ON)-OFF-(ON)	3 screws	SPDT
AES-1118-14A	ON-ON	3 screws	SPDT
AES-1118-14B	ON-OFF	3 screws	SPDT

**AES-1118-15**

Toggle Switch
12VDC, 10Amps



Item no.	Circuitry	Terminal	Type	Remark
AES-1118-15	ON-OFF-ON	6 screws	DPDT	
AES-1118-15A	ON-ON	6 screws	DPDT	no face plate
AES-1118-15B	ON-OFF	4 screws	DPST	
AES-1118-15M	(ON)-OFF-(ON)	6 screws	DPDT	

AES-1118-21

On-Off-On
12V, 10Amps

**AES-1118-21A**

On-Off
12V, 10Amps

**AES-1118-13N**

Pollak # 34-212
Heavy Duty Toggle Switch
SPST, 2 position ON/OFF,
With 2 screws terminals,
12VDC 50Amps

**AES-1118-22N**

Valley Forge # L-1458
General # 2159
Pollak # 34-218
S.P.D.T. 3 Position, S.P.S.T.
On-Off-On
3 Heavy Copper Screws
6-12VDC, 35 Amps, Screw Type.

**AES-1118-24**

(R13-28F)



AES-1118-16

On-Off-On
Merit No. 32100



AES-1118-17

Push-Pull Switch (short)
7-13m/m
Merit no. 210000
Available to be with Bigger Head.



AES-1118-28

Push-Pull Switch (Middle)
Length: 14-22m/m
Available to be with Bigger Head.



AES-1118-28A

Push-Pull Switch (Middle)
Length: 14-22m/m



AES-1118-29

Push-Pull Switch (Middle)
Length: 14-22m/m
Plug-In Type



AES-1118-23

Push Pull Switch (Long)
Length: 21-29m/m.



AES-1118-27

Weatherproof Toggle Switch
12VDC 25Amps; 24VDC 15Amps.
2P, SPST, ON-OFF.
Meet IP67



AES-1118-27A

Weatherproof Toggle Switch
12VDC 25Amps; 24VDC 15Amps
3P, SPST, ON-OFF-ON
Meet IP67



AES-1118-27C

Same as AES-1118-27A.
With additional weatherproof cap



AES-1118-27C-1

Same as AES-1118-27C
Wires with bullet terminals



AES-1118-30

General # 2100
Toggle Switch
S.P.S.T., 2 Terminals "Off-On".
Mounting Stem 3/8" Long,
3/8" Diameter, w/3/8"x24 Thread.
Bat Handle.
Rating: 20 Amps @6 Volts.
10 Amps @12 Volts.

**AES-1118-31**

General # 2103
Toggle Switch
S.P.S.T. "Off-On", 2 Screw Terminals,
With Nickel Plated "Off-On" Indicator
Plate Assembled. Mounting Stem
15/32" long, 15/32" Diameter. Ball Handle.
Rating: 3 Amps, 250 Volts AC
5 Amps, 125 Volts AC.

**AES-1118-32**

Toggle Switch
SPDT ON-OFF-ON 3 screw terminals.
With nickel-plated "ON-ON" face plate assembled.
Mounting Stem 15/32" long, 15/32" Diameter.
Ball Handle.
Rating: 3 Amps, 250VAC
5Amps, 120VAC

**AES-1118-33**

Toggle Switch
S.P.S.T. "Off-On", 2 Screw Terminals.
With Nickel Plated "Off-On" Indicator
Plate Assembled. Mounting Stem 15/32" long,
15/32" Diameter. Ball Handle.
Rating: 3 Amps, 250 Volts AC
5 Amps, 125 Volts AC.

**AES-1118-34**

Toggle Switch
S.P.S.T. "Off-On"
2 Terminals. Alum.
Brass Housing with Led.
Rating: 15 Amps at 12 Volt.

**AES-1118-34A**

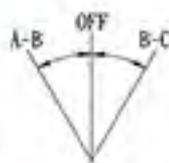
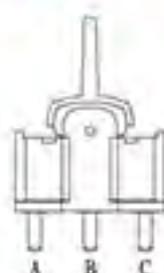
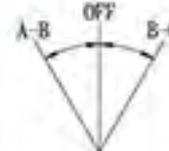
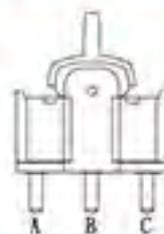
Same as AES-1118-34
Except with bulb.

AES-1118-35

Toggle Switch
with two 6" wire leads.
S.P.S.T. "Off-On". Bat Handle.
Rating: 3 Amps, 250 Volts AC
6 Amps, 125 Volts AC

**AES-1118-36**

Weatherproof Toggle Switch
12VDC 10Amps
2 position ON/OFF.

**AES-1118-37****AES-1118-38****AES-1118-39CF**

AES-1118-12 With
Safety Cover
(Carbon Fiber color)
Available to be in different color.

**AES-1118-40R**

AES-1118-43 With Safety
Cover (RED color)
Available to be in different color.



AES-1118-44R

Toggle Switch with LED light
12VDC 20Amps
LED Color: Red, White,
Yellow and Blue.



AES-1118-45R-T

AES-1118-44 with
Safety Cover -
Transparent color
Available to be in different color.



AES-1118-41

Safety Cover for
Toggle Switch,
Available to be in
different color.



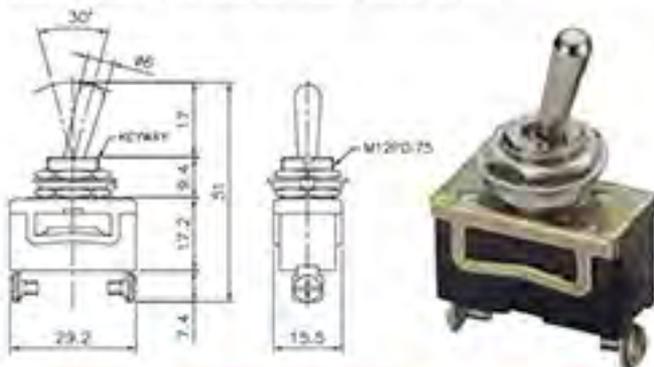
AES-1118-42

Weatherproof Boot
Diameter: 12*0.75



AES-1118-43

Single Pole Toggle Switch
Rating: 12V 20Amps
Contact R.: 500mΩ Max.
Insulation R.: DC 500V 100MΩ Min.
Dielectric Strength: AC 100V 1 minute
Operating Temperature: -20°C ~ + 65°C
Electrical Life: 50,000 make and break cycles at full load

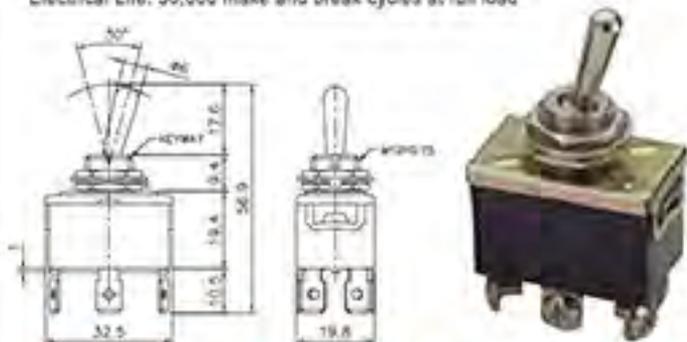


Item no.	Circuitry	Terminal	Type
AES-1118-43	ON-OFF	2 Screws	SPST
AES-1118-43M	(ON)-OFF	2 Screws	SPST
AES-1118-43A	ON-ON	3 Screws	SPDT
AES-1118-43AM	(ON)-ON	3 Screws	SPDT
AES-1118-43B	ON-OFF-ON	3 Screws	SPDT
AES-1118-43BM	(ON)-OFF-(ON)	3 Screws	SPDT
AES-1118-43BM1	(ON)-OFF-ON	3 Screws	SPDT
AES-1118-43C	ON-OFF	3 Screws	SPST

☆For PC terminals, add " P " at the end. EX: AES-1118-43P

AES-1118-46

Double Pole Toggle Switch
Rating: 12V 20Amps
Contact R.: 500mΩ Max.
Insulation R.: DC 500V 100MΩ Min.
Dielectric Strength: AC 100V 1 minute
Operating Temperature: -20°C ~ + 65°C
Electrical Life: 50,000 make and break cycles at full load



Item no.	Circuitry	Terminal	Type
AES-1118-46	ON-OFF	4 Screws	DPST
AES-1118-46M	(ON)-OFF	4 Screws	DPST
AES-1118-46A	ON-ON	6 Screws	DPDT
AES-1118-46AM	(ON)-ON	6 Screws	DPDT
AES-1118-46B	ON-OFF-ON	6 Screws	DPDT
AES-1118-46BM	(ON)-OFF-(ON)	6 Screws	DPDT
AES-1118-46BM1	(ON)-OFF-ON	6 Screws	DPDT
AES-1118-46C	ON-OFF	4 Screws	DPST

☆For PC terminals, add " P " at the end. EX: AES-1118-46P

AES-1118-47

Toggle Switch
ON-OFF
12VDC, 10 Amps

**AES-1118-47P**

Toggle Switch
ON-OFF
12VDC, 10 Amps

**AES-1118-48**

12V 20Amps Toggle Switch
Long Lever



Item no.	Circuitry	Terminal	Type	Remark
AES-1118-48	ON-OFF	2 Pins	SPST	
AES-1118-48M	(ON)-OFF	2 Pins	SPST	Momentary Type
AES-1118-48A	ON-ON	3 Pins	SPDT	
AES-1118-48B	ON-OFF-ON	3 Pins	SPDT	
AES-1118-48C	ON-OFF	3 Pins	SPST	Illuminated (Bulb)
AES-1118-48L1	ON-OFF	3 Pins	SPST	Illuminated (LED)



AES-1118-48C-G



AES-1118-48C-BL



AES-1118-48C-O



AES-1118-48C-R

AES-1118-49

12V 20Amps Toggle Switch
Flat Lever



Item no.	Circuitry	Terminal	Type	Remark
AES-1118-49	ON-OFF	2 Pins	SPST	
AES-1118-49A	ON-ON	3 Pins	SPDT	
AES-1118-49B	ON-OFF-ON	3 Pins	SPDT	
AES-1118-49C	ON-OFF	3 Pins	SPDT	Illuminated (Bulb)



AES-1118-49C-G



AES-1118-49C-BL



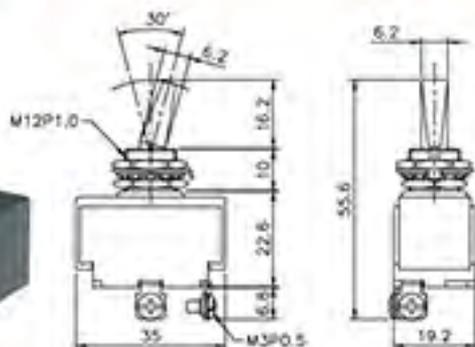
AES-1118-49C-O



AES-1118-49C-R

AES-1118-71

Universal Toggle Switch
SPDT/SPDT
12VDC 10Amps
Meet IP 54

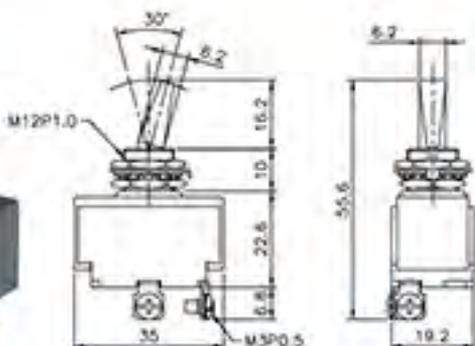


Item no.	Circuitry	Terminal	Type
AES-1118-71	ON-OFF	2 Screws	SPST
AES-1118-71M	(ON)-OFF	2 Screws	SPST
AES-1118-71A	ON-ON	3 Screws	SPDT
AES-1118-71AM	(ON)-ON	3 Screws	SPDT
AES-1118-71B	ON-OFF-ON	3 Screws	SPDT
AES-1118-71BM1	(ON)-OFF-ON	3 Screws	SPDT
AES-1118-71BM2	(ON)-OFF-(ON)	3 Screws	SPDT

☆For PC terminals, add " P " at the end. EX: AES-1118-71P

AES-1118-72

Universal Toggle Switch
DPST/DPDT
12VDC 10Amps
Meet IP 54

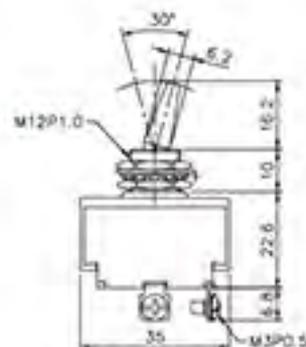


Item no.	Circuitry	Terminal	Type
AES-1118-72	ON-OFF	4 Screws	DPST
AES-1118-72M	(ON)-OFF	4 Screws	DPST
AES-1118-72A	ON-ON	6 Screws	DPDT
AES-1118-72AM	(ON)-ON	6 Screws	DPDT
AES-1118-72B	ON-OFF-ON	6 Screws	DPDT
AES-1118-72BM1	(ON)-OFF-ON	6 Screws	DPDT
AES-1118-72BM2	(ON)-OFF-(ON)	6 Screws	DPDT

☆For PC terminals, add " P " at the end. EX: AES-1118-72P

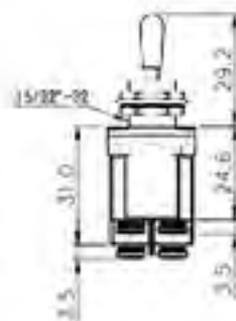
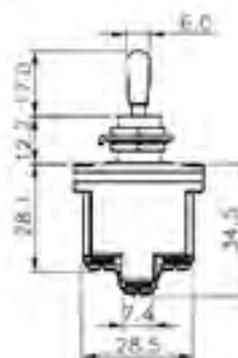
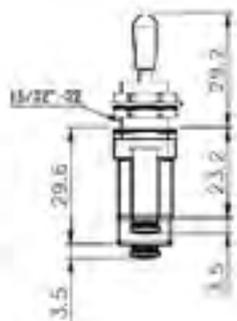
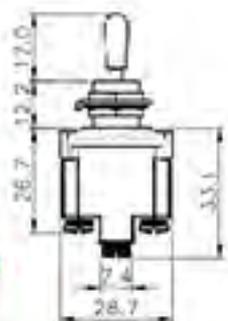
AES-1118-73

Illuminated Toggle Switch
SPST/DPDT
12VDC 10Amps
With Green lever or White lever.
Meet IP 54



Item no.	Circuitry	Terminal	Type
AES-1118-73	ON-OFF	3 Screws	SPST
AES-1118-73M	(ON)-OFF	3 Screws	SPST
AES-1118-73A	ON-ON	4 Screws	SPDT
AES-1118-73AM	(ON)-ON	4 Screws	SPDT
AES-1118-73B	ON-OFF-ON	4 Screws	SPDT
AES-1118-73BM1	(ON)-OFF-ON	4 Screws	SPDT
AES-1118-73BM2	(ON)-OFF-(ON)	4 Screws	SPDT
AES-1118-74	ON-OFF	4 screws	DPST
AES-1118-74A	ON-ON	5 Screws	SPDT
AES-1118-74AM	(ON)-ON	5 Screws	SPDT
AES-1118-74B	ON-OFF-ON	5 Screws	SPDT
AES-1118-74BM1	(ON)-OFF-ON	5 Screws	SPDT
AES-1118-74BM2	(ON)-OFF-(ON)	5 Screws	SPDT

☆For PC terminals, add " P " at the end. EX: AES-1118-73P



AES-1118-91 Serial AES-1118-91W Serial

Sealed Toggle Switch
12VDC 15Amps

Single Pole, Double Pole and 4 Pole circuitry
2 or 3 position maintained and momentary type
Molded-In Terminal Insert

AES-1118-91
AES-1118-91W*

Circuit

Lever Type

Function and Position

1	Single Pole
2	Double Pole



2 position

Code	Pole	Function	Keyway Position	Opposite Keyway
2	1	OFF-ON	OFF	2-3
3		ON-ON	1-2	2-3
4		(OFF)-ON	(OFF)	2-3
6		(ON)-OFF	(1-2)	OFF
8		(ON)-ON	(1-2)	2-3

NONE-ON-ON

Code	Pole	Function	Keyway Position	Opposite Keyway
2	2	OFF-ON	OFF	2-3, 5-6
3		ON-ON	1-2, 4-5	2-3, 5-6
4		(OFF)-ON	(OFF)	2-3, 5-6
6		(ON)-OFF	(1-2), (4-5)	OFF
8		(ON)-ON	(1-2), (4-5)	2-3, 5-6

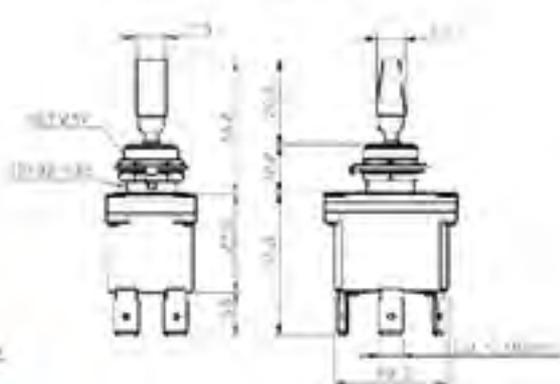
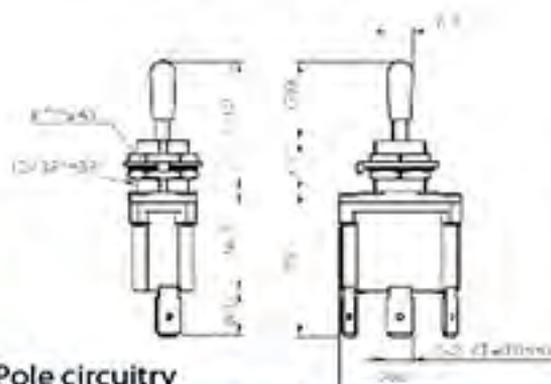
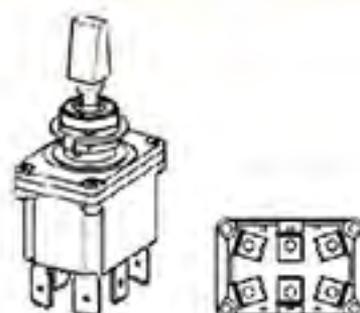
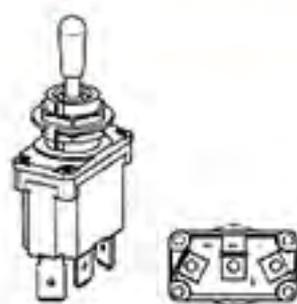
() Means momentary type

AES-1118-91W: Toggle Switch with wire

3 position

Code	Pole	Function	Keyway Position	Center Position	Opposite Keyway
1	1	ON-OFF-ON	1-2	OFF	2-3
5		(ON)-OFF-ON	(1-2)	OFF	2-3
7		(ON)-OFF-(ON)	(1-2)	OFF	(2-3)
21		OFF-ON	None	OFF	2-3
31		NONE-ON-ON	None	1-2	2-3
51		NONE-ON-(ON)	None	1-2	(2-3)
61	NONE-(ON)-OFF	(1-2)	OFF	None	

Code	Pole	Function	Keyway Position	Center Position	Opposite Keyway
1	2	(2-3), (5-6)	1-2, 4-5	OFF	2-3, 5-6
5		(ON)-OFF-ON	(1-2), (4-5)	OFF	2-3, 5-6
7		(ON)-OFF-(ON)	(1-2), (4-5)	OFF	(2-3), (5-6)
21		NONE-OFF-ON	None	OFF	2-3, 5-6
31		NONE-ON-ON	None	1-2, 4-5	2-3, 5-6
51		NONE-ON-(ON)	None	1-2, 4-5	(2-3), (5-6)
61		(ON)-OFF-NONE	(1-2), (4-5)	OFF	None
12		ON-ON-ON	1-2, 4-5	2-3, 4-5	2-3, 5-6
10		ON-ON-ON	1-2, 4-5	1-2, 5-6	2-3, 5-6
50		(ON)-ON-ON	(1-2), (4-5)	1-2, 5-6	2-3, 5-6
70	(ON)-ON-(ON)	(1-2), (4-5)	1-2, 5-6	(2-3), (5-6)	



AES-1118-92 Serial

Sealed Toggle Switch

12VDC 15Amps

Single Pole or Double Pole circuitry

2 or 3 position maintained and momentary type

AES-1118-92

Terminal Type

Circuit

Lever Type

Function and Position



- 1 Single Pole
- 2 Double Pole



2 position

Code	Pole	Function	Keyway Position	Opposite Keyway
2	1	OFF-ON	OFF	2-3
3		ON-ON	1-2	2-3
4		(OFF)-ON	(OFF)	2-3
6		(ON)-OFF	(1-2)	OFF
8		(ON)-ON	(1-2)	2-3

3 position

Code	Pole	Function	Keyway Position	Center Position	Opposite Keyway
1	1	ON-OFF-ON	1-2	OFF	2-3
5		(ON)-OFF-ON	(1-2)	OFF	2-3
7		(ON)-OFF-(ON)	(1-2)	OFF	(2-3)
21		NONE-OFF-ON	None	OFF	2-3
31		NONE-ON-ON	None	1-2	2-3
51		NONE-ON-(ON)	None	1-2	(2-3)
61	(ON)-OFF-NONE	(1-2)	OFF	None	

Code	Pole	Function	Keyway Position	Opposite Keyway
2	2	OFF-ON	OFF	2-3, 5-6
3		ON-ON	1-2, 4-5	2-3, 5-6
4		(OFF)-ON	(OFF)	2-3, 5-6
6		(ON)-OFF	(1-2), (4-5)	OFF
8		(ON)-ON	(1-2), (4-5)	2-3, 5-6

Code	Pole	Function	Keyway Position	Center Position	Opposite Keyway
1	2	ON-OFF-ON	1-2, 4-5	OFF	2-3, 5-6
5		(ON)-OFF-ON	(1-2), (4-5)	OFF	2-3, 5-6
7		(ON)-OFF-(ON)	(1-2), (4-5)	OFF	(2-3), (5-6)
21		NONE-OFF-ON	None	OFF	2-3, 5-6
31		NONE-ON-ON	None	1-2, 4-5	2-3, 5-6
51		NONE-ON-(ON)	None	1-2, 4-5	(2-3), (5-6)
61		(ON)-OFF-NONE	(1-2), (4-5)	OFF	None
12		ON-ON-ON	1-2, 4-5	2-3, 4-5	2-3, 5-6
10		ON-ON-ON	1-2, 4-5	1-2, 5-6	2-3, 5-6
50		(ON)-ON-ON	(1-2), (4-5)	1-2, 5-6	2-3, 5-6
70	(ON)-ON-(ON)	(1-2), (4-5)	1-2, 5-6	(2-3), (5-6)	

() Means momentary type

12VDC Rocker Switch, Illuminated type or not-illuminated.

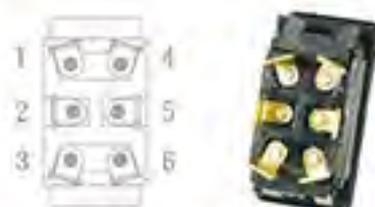
Rating: 12VDC 16Amps, 24VDC 10Amps

125VAC 16Amps, 250VAC 10Amps.

Contact R.: 50mΩ Insulation R: DB 500V 100mΩ 1 minute

Electrical Life: 20,000 cycles

Meet: IP54



Bottom View-6 Terminal Base

Not-Illuminated Type

AES-1118-51 & AES-1118-52



With Screw



With Pin

AES no.	Circuitry	Terminals	Type
AES-1118-51	ON-OFF	2P	SPST
AES-1118-51M	(ON)-OFF	2P	SPST
AES-1118-51A	ON-ON	3P	SPDT
AES-1118-51AM	(ON)-ON	3P	SPDT
AES-1118-51B	ON-OFF-ON	3P	SPDT
AES-1118-51BM1	(ON)-OFF-ON	3P	SPDT
AES-1118-51BM	(ON)-OFF-(ON)	3P	SPDT
AES-1118-52	ON-OFF	4P	DPST
AES-1118-52M	(ON)-OFF	4P	DPST
AES-1118-52A	ON-ON	6P	DPDT
AES-1118-52AM	(ON)-ON	6P	DPDT
AES-1118-52B	ON-OFF-ON	6P	DPDT
AES-1118-52BM1	(ON)-OFF-ON	6P	DPDT
AES-1118-52BM	(ON)-OFF-(ON)	6P	DPDT

※For Pin Type terminals, add * P* at the end like AES-1118-51P.

Illuminated Type

AES-1118-53 & AES-1118-54 & AES-1118-55



With Screw



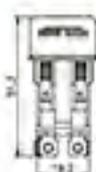
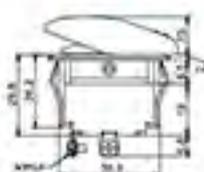
With Pin

AES no.	Circuitry	Terminals	Type
AES-1118-53	ON-OFF	3P	SPST
AES-1118-53M	(ON)-OFF	3P	SPST
AES-1118-54	ON-OFF	4P	DPST
AES-1118-54M	(ON)-OFF	4P	DPST
AES-1118-54A	ON-OFF-ON	5P	SPDT
AES-1118-54AM1	(ON)-OFF-ON	5P	SPDT
AES-1118-54AM	(ON)-OFF-(ON)	5P	SPDT
AES-1118-55	ON-ON	6P	DPDT
AES-1118-55M	(ON)-ON	6P	DPDT
AES-1118-55A	ON-OFF-ON	6P	DPDT
AES-1118-55AM1	(ON)-OFF-ON	6P	DPDT
AES-1118-55AM	(ON)-OFF-(ON)	6P	DPDT

※For Pin Type terminals, add * P* at the end like AES-1118-53P.

Panel

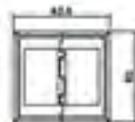
Dimension



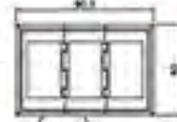
Panel Thickness: 4.5mm Max.

Installation Size

AES-PA1 (End)



AES-PA2 (Middle)



AES-1118-56 / AES-1118-58

AES-1118-57 / AES-1118-59

**AES-1118-57A / AES-1118-57B
AES-1118-59A / AES-1118-59B**


Rating: AC 125V 16Amps; 250V 10Amps
DC 12V 16Amps; 24V 10Amps
Contact R.: 50mΩ Max.

Insulation R : DB 500V 100mΩ Min.
Dielectric Strength : AC 1500V 1 minute
Electrical Life : 20,000 cycles.

Item no.	Type	Terminal	Circuitry			Terminal Type
AES-1118-56	DPST	4P	ON	-	OFF	Screw type
AES-1118-56M	DPST	4P	(ON)		OFF	Screw type
AES-1118-56A	DPDT	6P	ON	-	ON	Screw type
AES-1118-56AM1	DPDT	6P	(ON)	-	ON	Screw type
AES-1118-56B	DPDT	6P	ON	OFF	ON	Screw type
AES-1118-56BM1	DPDT	6P	(ON)	OFF	ON	Screw type
AES-1118-56BM	DPDT	6P	(ON)	OFF	(ON)	Screw type
AES-1118-58	SPST	2P	ON	-	OFF	Screw type
AES-1118-58M	SPST	2P	(ON)		OFF	Screw type
AES-1118-58A	SPDT	3P	ON	-	ON	Screw type
AES-1118-58AM1	SPDT	3P	(ON)	-	ON	Screw type
AES-1118-58B	SPDT	3P	ON	OFF	ON	Screw type
AES-1118-58BM1	SPDT	3P	(ON)	OFF	ON	Screw type
AES-1118-58BM	SPDT	3P	(ON)	OFF	(ON)	Screw type
AES-1118-57	DPST	4P	ON	-	OFF	Screw type; illuminated type
AES-1118-57A	DPDT	6P	ON	-	ON	Screw type; illuminated type
AES-1118-57B	DPDT	6P	ON	OFF	ON	Screw type; illuminated type
AES-1118-59	SPST	3P	ON	-	OFF	Screw type; illuminated type
AES-1118-59A	DPDT	5P	ON	-	ON	Screw type; illuminated type
AES-1118-59B	DPDT	5P	ON	OFF	ON	Screw type; illuminated type

★For PC terminals, add "P" at the end. EX: AES-1118-56P.

12VDC Rocker Switch, Illuminated type or not-illuminated.

Rating: 12VDC 20Amps, 24VDC 10Amps

125VAC 16Amps, 250VAC 10Amps.

Contact R.: 50mΩ Insulation R: DB 500V 100mΩ 1 minute

Electrical Life: 20,000 cycles

Meet: IP 68



AES-1118-81~AES-1118-84 Serial
(Standard Housing)

AES-1118-85~AES-1118-88 Serial
(Barrier Housing)

No Lens

AES P/N (Standard Housing)	AES P/N (Barrier Housing)	Electrical	Type	Pin	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
1118-81P	1118-85P	ON-OFF	SPST	2		Power In (1)	Power Out (1)					
1118-81PM	1118-85PM	(ON)-OFF	SPST	2		Power In (1)	Power Out (1)					
1118-81PA	1118-85PA	ON-ON	SPDT	3	Power Out (1)	Power In (1)	Power Out (2)					
1118-81PAM	1118-85PAM	(ON)-ON	SPDT	3	Power Out (1)	Power In (1)	Power Out (2)					
1118-81PB	1118-85PB	ON-OFF-ON	SPDT	3	Power Out (1)	Power In (1)	Power Out (2)					
1118-81PBM1	1118-85PBM1	(ON)-OFF-(ON)	SPDT	3	Power Out (1)	Power In (1)	Power Out (2)					
1118-81PRM	1118-85PRM	(ON)-OFF-(ON)	SPDT	3	Power Out (1)	Power In (1)	Power Out (2)					
1118-82P	1118-86P	ON-OFF	DPST	4		Power In (1)	Power Out (1)		Power In (2)	Power Out (1)		
1118-82PM	1118-86PM	(ON)-OFF	DPST	4		Power In (1)	Power Out (1)		Power In (2)	Power Out (1)		
1118-82PA	1118-86PA	ON-ON	DPDT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (2)		
1118-82PAM	1118-86PAM	(ON)-ON	DPDT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (2)		
1118-82PB	1118-86PB	ON-OFF-ON	DPDT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (2)		
1118-82PBM1	1118-86PBM1	(ON)-OFF-(ON)	DPDT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (2)		
1118-82PBM	1118-86PBM	(ON)-OFF-(ON)	DPDT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (2)		
1118-82PC	1118-86PC	ON-ON-ON	DPTT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (2)	Power In (2)	Power Out (2)		
1118-82PCM	1118-86PCM	(ON)-ON-ON	DPTT	6	Power Out (1)	Power In (1)	Power Out (2)	Power Out (2)	Power In (2)	Power Out (2)		
1118-82PD	1118-86PD	ON-ON-OFF	DPDT	4		Power In (1)	Power Out (1)		Power In (2)	Power Out (1)		
1118-82PDM	1118-86PDM	(ON)-ON-OFF	DPDT	4		Power In (1)	Power Out (1)		Power In (2)	Power Out (1)		

1 Lens

AES P/N (Standard Housing)	AES P/N (Barrier Housing)	Electrical	Type	Pin	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
1118-83P	1118-87P	ON-OFF	SPST	3		Power In (1)	Power Out (1)					Earth
1118-83PM	1118-87PM	(ON)-OFF	SPST	3		Power In (1)	Power Out (1)					Earth
1118-84P	1118-88P	ON-OFF	DPST	5		Power In (1)	Power Out (1)		Power In (2)	Power Out (2)	Earth	
1118-84PM	1118-88PM	(ON)-OFF	DPST	5		Power In (1)	Power Out (1)		Power In (2)	Power Out (2)	Earth	
1118-84PC	1118-88PC	ON-ON-ON	DPTT	8	Power Out (1)	Power In (1)	Power Out (2)	Power Out (2)	Power In (2)	Power Out (3)	Earth	Power In (3)

2 Lens

AES P/N (Standard Housing)	AES P/N (Barrier Housing)	Electrical	Type	Pin	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
1118-83PA	1118-87PA	ON-ON	SPDT	4	Power Out (1)	Power In (1)	Power Out (2)					Earth
1118-83PAM	1118-87PAM	(ON)-ON	SPDT	4	Power Out (1)	Power In (1)	Power Out (2)					Earth
1118-83PB	1118-87PB	ON-OFF-ON	SPDT	4	Power Out (1)	Power In (1)	Power Out (2)					Earth
1118-83PBM1	1118-87PBM1	(ON)-OFF-(ON)	SPDT	4	Power Out (1)	Power In (1)	Power Out (2)					Earth
1118-83PBM	1118-87PBM	(ON)-OFF-(ON)	SPDT	4	Power Out (1)	Power In (1)	Power Out (2)					Earth
1118-84PA	1118-88PA	ON-ON	DPDT	7	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (4)	Earth	
1118-84PAM	1118-88PAM	(ON)-ON	DPDT	7	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (4)	Earth	
1118-84PB	1118-88PB	ON-OFF-ON	DPDT	7	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (4)	Earth	
1118-84PBM1	1118-88PBM1	(ON)-OFF-(ON)	DPDT	7	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (4)	Earth	
1118-84PBM	1118-88PBM	(ON)-OFF-(ON)	DPDT	7	Power Out (1)	Power In (1)	Power Out (2)	Power Out (3)	Power In (2)	Power Out (4)	Earth	
1118-84PC	1118-88PC	ON-ON-ON	DPTT	8	Power Out (1)	Power In (1)	Power Out (2)	Power Out (2)	Power In (2)	Power Out (3)	Earth	Power In (3)
1118-84PCM	1118-88PCM	(ON)-ON-ON	DPTT	8	Power Out (1)	Power In (1)	Power Out (2)	Power Out (2)	Power In (2)	Power Out (3)	Earth	Power In (3)
1118-84PD	1118-88PD	ON-ON-OFF	DPDT	6		Power In (1)	Power Out (1)		Power In (2)	Power Out (2)	Earth	Power In (3)
1118-84PDM	1118-88PDM	(ON)-ON-OFF	DPDT	6		Power In (1)	Power Out (1)		Power In (2)	Power Out (2)	Earth	Power In (3)

Special Type, upon customer request:		Power In	Switch ON (Push Down)	Example
Special Type	Standard Type	no light	Top LED illuminated	AES-1118-83PA
	(1) Independent LED	no light	LED illuminated (7-8)	AES-1118-830PA
	(2) Low LED always illuminated	Low LED illuminated	Low + Top, 2 LEDs illuminated	AES-1118-832PA
	(3) Top LED always illuminated	Top LED illuminated	Low + Top, 2 LEDs illuminated	AES-1118-833PA
	(4) Reverse Type	Low LED illuminated	Top LED illuminated	AES-1118-834PA

AES-1118-81P ~ AES-1118-84P: Standard Housing



Standard housing



Bottom View - 8 Terminal Base



AES-1118-83P-R
(Standard Actuator: B1)



AES-1118-83PA-B2-R
(Actuator: B2)



AES-1118-83P-SR1-R1
(Red Actuator: SR1, TPR Soft)

AES-1118-85P ~ AES-1118-88P: Barrier Housing



Barrier housing



Bottom View - 8 Terminal Base



AES-1118-87P



AES-1118-86P

Not-Illuminated Type

AES-1118-81P/AES-1118-82P & AES-1118-85P/AES-1118-86P Serial:

No Lens



Standard Actuator: B1



Actuator: E



Laser Actuator: L



Laser Actuator: LF

Illuminated Type

AES-1118-83P/AES-1118-84P & AES-1118-87P/AES-1118-88P Serial:
Standard Type (Power in = no light; Switch ON = LED ON)

1 Lens



Standard Actuator: B1



Actuator: B2



Actuator: E

2 Lens



Standard Actuator: B1



Actuator: B2



Actuator: B2



Actuator: E

Laser Engraving



Laser Actuator: L

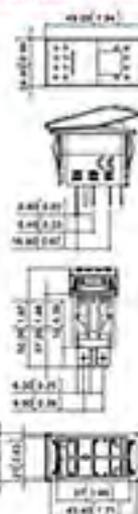


Laser Actuator: LF

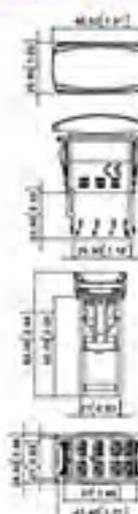
Installation Size



Standard Housing



Barrier Housing



Spare Parts to suit Rocker Switch AES-1118-81~AES-1118-88 serial:

AES-PA5

Independent Panel



AES-PA6

End Panel



AES-PA7

Middle Panel



AES-PA8

Hole Cover



PA-111881-CT

8P Connectors



PA-111881-ART

Actuator Removal Tool



Marine Switch Label



Vehicle Switch Label



Printing Symbol for Marine:



Printing Symbol for Vehicle:

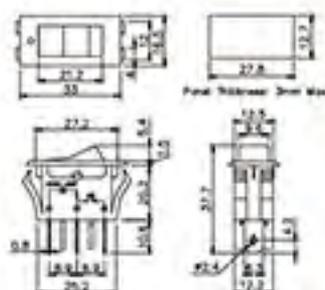


Laser Engraving Symbol:



AES-1118-66

ON-OFF, 3 P, SPST

**AES-1118-66-PL**

AES-1118-66 With Panel

**AES-1118-611/611A**

Rocker Switch

12VDC 16Amps; 24VDC 10Amps

Item no.	Circuitry	Terminal	Type
AES-1118-611	ON-OFF	4P	SPST
AES-1118-611A	ON-ON	6P	DPDT

**AES-1118-68A**

Rocker Switch

12VDC 10Amps; 24VDC 6Amps
ON-OFF, SPST, 2 Terminals.

AES-1118-68A-C

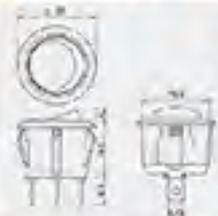
AES-1118-69Rocker Switch for Universal Power Window
12VDC, ON-OFF, SPST**AES-1118-70**

12VDC 20Amps Rocker Switch

**AES-1118-77**

12VDC 20Amps Rocker Switch

Item no.	Circuitry	Terminal	Type	Remark
AES-1118-77	ON-OFF	2P	SPST	
AES-1118-77A	ON-OFF	3P	SPST	Illuminated (Bulb)
AES-1118-77A1-R	ON-OFF	3P	SPST	Illuminated (Bulb)
AES-1118-77AL-R	ON-OFF	3P	SPST	Illuminated (LED)
AES-1118-77B-R	ON-OFF	3P	SPST	Illuminated (Bulb)



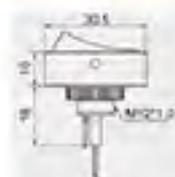
AES-1118-77A-Y AES-1118-77A-R

AES-1118-78

Rocker Switch

12VDC 30Amps, ON-OFF, SPST

Item no.	Circuitry	Terminal	Type	Remark
AES-1118-78	ON-OFF	2P	SPST	
AES-1118-78A-R	ON-OFF	3P	SPST	Illuminated (Bulb)
AES-1118-78AL-R	ON-OFF	3P	SPST	Illuminated (LED)



AES-1118-78A-R AES-1118-78A-Y

AES-1118-791

Rocker Switch with Bulb

12VDC 25Amps, ON-OFF, SPST

**AES-1118-792**

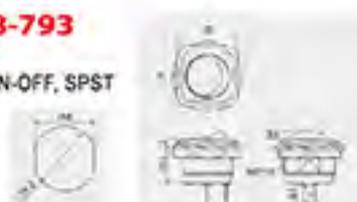
Rocker Switch

12VDC 16Amps, ON-OFF, SPST

**AES-1118-793**

Rocker Switch

12V 16Amps, ON-OFF, SPST

**AES-1118-794**

Rocker Switch

12VDC 20Amps/24VDC 10Amps



AES-1119-11

Cole Hersee # 40102
New Era No. B-18
Cord only for TR-P-2
Cable Assy
Eaton 38810
Ford FAB-14668-B



AES-1119-11A

Cable Assy



AES-1119-12

Valley Forge L-1451
Cole Hersee # 50036
Pollak # 52-261
Standard # DS-168
New Era No. B-16
General # 4560

12VDC, 30Amps
2 Positions Push-pull Switch
(For High and Low Range)
3 Snap-in Terminals, Die-Casting Body
protected with Rubber Cover.
Use with Eaton Two-Speed Rear Axle.
Eaton 32861 Diamond T/Reo 9935-H,
319305 Dodge 1390517
Ford 8QH-4078, SW-1535 GMC 2274282, IHC 79348-R91
Mack IMR-2101, White 716913



AES-1119-13

Valley Forge L-1449
Pollak # 52-260
Standard # DS-169
Cole Hersee # 9283
New Era No. B-17
General # 4567

Two Speed Axle Shift Limit Switch.
For Use in Controlling the Eaton
Two Speed Electric Axle.
Phenolic Insulator Bas With O-Rings on Studs.
Used with AES-1119-12 Axle Switch.
Eaton 32382, 32414, 62252 Chevrolet 2279014, 3854312
Dodge 1390517, 1508375, 1508404 Ford B2W-4107-A, SW-1536
GMC 2279002 IHC 79050-R91 White 716920



AES-1119-14

Standard # DS-169A
Cole Hersee # 40103
New Era No. B-19

Spiral Assembly Set
Eaton 32364
Chevrolet # GMC 2279003
Diamond T/ Reo 9920-H, 3563-D5
Ford 8QH-4086-A
IHC 79034-R11
White 716925



AES-1120-11

For Toyota Pick Up 1989-87



AES-1120-12

For Nissan Pick Up 1987



AES-1120-13

For Nissan 1987
Pulsar Stanza Centra.



AES-1120-15

For Universal
Blue Button



AES-1120-20

For Spectrum GM.



AES-1120-21

For Universal
Green Button



AES-1120-22

For Subaru Justy 1988-92



AES-1120-23

For Suzuki
Swift 1989-'92
Samun 1989-'92



AES-1120-24

For Mitsubishi Colt 1989-92



AES-1120-25

A/C Pressure Switch
5030
Cut In 47 +/- 3.5 PSI
Cut Off 23 +/- 2 PSI



AES-1120-26

A/C Pressure Switch
5032
Cut In 42 +/- 3.5PSI
Cut Off 24 +/- 2 PSI



AES-688

Heavy Duty Backup Alarm.
Produce a powerful sound when
vehicle is in reverse.
With Beep-Beep Sound.
12-80VDC System
97±4dB
ABS Housing



AES-688S

Heavy Duty Backup Alarm.
Produce a powerful sound
when vehicle is in reverse.
With Beep-Beep Sound.
12-80VDC System
77-102dB
ABS Housing



AES-1122-1

General # 3350
Universal Warning Buzzer
12 Volt, 20 Amps, 26 Ohms.
Ford EDM-2938-A, GMC 1116882,
Superior Coach 76023,
Wayne Works Div.,
Divco-Wayne E-11811A,
IHC 800527C91,
44310-0/L-1475



AES-736

12V 20Amps SCREW TERMINALS.
Usage includes low air pressure
warning signal on trucks and rear
door warning signal on buses.



AES-1122-6

Cela Hersee # 4112-RC
For 12VDC electrical systems.
Combination Warning Light and
Buzzer Operate Simultaneously.
Applications include: low air,
oil, vacuum, high or low engine
temperature, door ajar warning,
hoist or dump body alarm,
monitor in cab for back-up alarm,
camper to cab emergency signal.



AES-01075

General # 2713

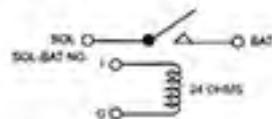
Starter Relay

Use for Chrysler Products:

SR-93

2713

2444442

**AES-01076A**STARTER RELAY
CHRYSLER PRODUCTS
DODGE PLYMOUTH
SR-111**AES-01075A**

STARTER RELAY

SR-63

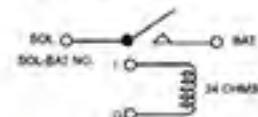
2718

(2095608)(2444517)

(12301149)(C-1740)

(MRC-309)(9-10C)

(SRP-1141)

**AES-01077**STARTER RELAY
CHRYSLER PRODUCTS
SR-100 | 4111971
2717 | CHRYSLER
4111414 | 69-83**AES-01075B**

STARTER RELAY

SR-64

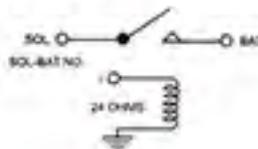
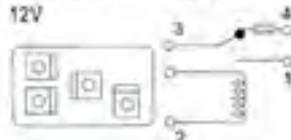
2719

(2095609)(2444516)

(12301151)(C-1742)

(MRC-307)(9-11C)

(SRP-1142)

**AES-01078**HR144
3579204
1610-12-198
CHRYSLER
ORP.CARS.....73-71
12V**AES-01076**STARTER RELAY
CHRYSLER PRODUCTS
DODGE PLYMOUTH

SR-96 | Chrysler 78-97

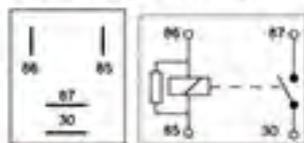
2714 | Dodge 78-97

2874950 | Plymouth 78-97

**AES-01079**HR145 Chry..2983
Deco.C1737
607
Deoge.....70
Plymouth...70
12V

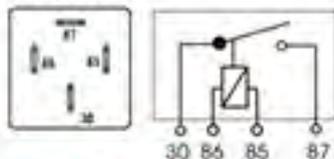
AES-01073

Waterproof Universal Relay with Resistor
Toyota EFI, Horn Fan Relay
4P, 12V 30Amps/24V 30Amps



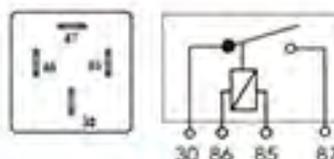
AES-01086

4 P Relay, with Bracket
12V 40Amps/24V 20Amps
SPST, N-O



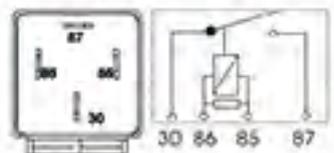
AES-01086S

4P Mini Relay
12V 40Amps/24V 40Amps
SPST



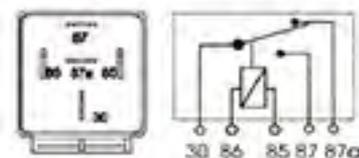
AES-01089A01

Maxi Closing Relay with Resistor
12V 40Amps/24V 40Amps



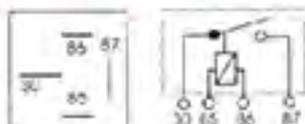
AES-01092S

Mini Exchange Relay
12V 20/30Amps
24V 30Amps



AES-01100

STANDARD TYPE
12V 70,80A
24V 60A



AES-01101

WITHOUT BRACKET
12V 40,70,80A
TOYOTA
90987-02016 | Hand Lamp
156700-1570 | Relay
191937503 | 12V 60A



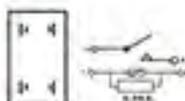
AES-01104

Duble Make Relay
WITHOUT BRACKET
12V 40A
24V 20A



AES-01131

4P 1A
12V, 24V
RY12088567
8-12088-567-0
Usage includes Air Safety
Compressor, Accelerator, Accessory
Automatic Headlight On/Off, Catalytic Converter
Temperature Indicator, Coolant Lamp, Fuel
Filler Door, Fuel Pump, Headlight,
Horn and Ignition Relay.



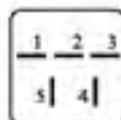
AES-01169

12V 4P
AR149, RY111, 91332
Usage includes Electronic
Engine Control Relay.
Ford 84-87
Mercury 84-87



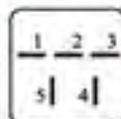
AES-01170

12V 5P
AR240, RY46, 913157
F8PZ-14N135-AA



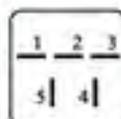
AES-01171

12V 5P
AR242, RY71, 913182, 413182
F8PZ-14N135-BA/CA



AES-01172

12V 5P
AR243, RY70, 413181
F8PZ-14N135-FA



AES-1122-12

Universal Water Pump Relay Kit
• 40 Amps Relayx1
• Wire Harness Setx1
• 30Amps Circuit Breakerx1

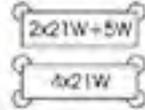


AES-02001

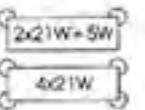
552 FLASHER
RELAY
2P 6V 32CP MAX.(2-6)
2P 12V 32CP MAX.(2-6)
2P 24V 32CP MAX.(2-6)

**AES-02004**

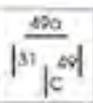
550 FLASHER RELAY
3P 6V 32CP MAX.(2-6)
3P 12V 32CP MAX.(2-6)
3P 24V 32CP MAX.(2-6)

**AES-02013**

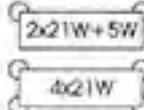
3P 6V 32CP MAX.(2-6)
3P 12V 32CP MAX.(2-6)
3P 24V 32CP MAX.(2-6)

**AES-03008**

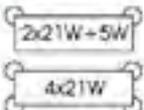
ALFA V.W
ELECTRONIC FLASHER UNIT
12V
2/4X21W
HAZARD WARNING

**AES-03010**

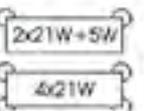
MAGNETIC TYPE
NON-POLARIZED
UNIVERSAL TYPE
2P 12V 24V
21-23W
MAX.6 BULBS

**AES-03012**

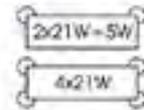
ELECTRONIC FLASHER UNIT
LED FLASHER, NON-POLARIZED
UNIVERSAL TYPE
1W-200W
12V 2P

**AES-03013**

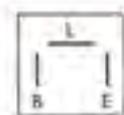
ELECTRONIC FLASHER UNIT
MAGNETIC TYPE
NON-POLARIZED
UNIVERSAL TYPE
3P 12V 24V
21-23W
MAX.6 BULBS

**AES-03015**

ELECTRONIC FLASHER UNIT
MAGNETIC TYPE
NON-POLARIZED
UNIVERSAL TYPE
3P 12V 24V
21-23W
MAX.6 BULBS

**AES-03033**

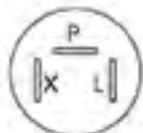
DAIHATSU FLASHER
166500-0110
166500-0561
81980-87705-000
81980-A1705
81980-87502

**AES-03049**

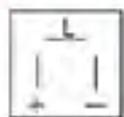
262
12V
2P
2-10 Lamps
GM 15504573
Ford E845-13350-AA
No-Polarized

**AES-03050**

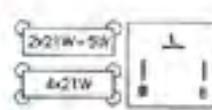
263
12V
3P
2-10 Lamps
No-Polarized

**AES-03056**

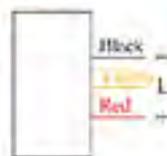
12V
LED Flasher
0.1W-130W
3P

**AES-03061**

Nissan
12V 2P
25731-89960
25730-50A01
2(4)X21W+0-5W
25731-72B10

**AES-03067**

12V
3P
LED Flasher
60mA-10A

**AES-03083**

FORD
96AG 13350 AC
Grote 44090
FDPC-090A1
1035579
LED Flasher

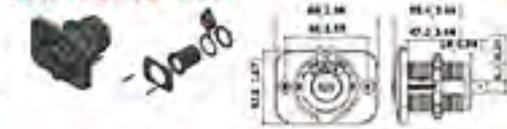
**AES-03085**

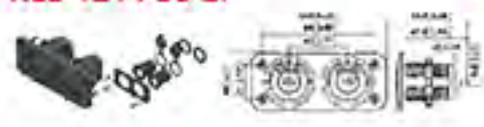
12V 8P
Toyota
81980-50030
066500-4650, 066500-5601
Daihatsu
81980-BZ10, 81980-02030



AES-1118S-	TYPE	PANEL			NUT	COVER
[1] P	Power Socket Input: 12VDC 15A 24VDC 15A Dia: 21mm	1 hole	2 holes	3 holes	[1] Standard Nut	[1] M5x16-12V
[2] U	2 Ports USB Socket (dual) Input: 12-24VDC Output: 5VDC 3.1A	[1] Front Panel	[4] AES-1214-38	[7] AES-1214-383	[2] Duck Nut	[2] 12V
[3] C	Cigarette Socket Input: 12VDC 15A	[2] Back Panel	[5] AES-1214-39	[8] AES-1214-393	[3] Hexagonal Nut	[3] USB
[4] V	Voltmeter Socket Input: 5-30VDC	[3] Top Panel	[6] AES-1214-40	[9] AES-1214-403		[4] Cigarette
[5] M	Power Socket Input: 12VDC 15A 24VDC 6A Dia: 12mm	[7] Bracket				[5] DC POWER M
[6] G	Power Socket Input: 12VDC 15A 24VDC 6A Dia: 12mm					[6] 12V / 24V

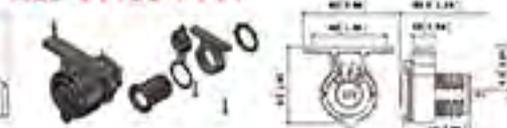
AES-1118S-P011

AES-1118S-P111

AES-1118S-P211

AES-1214-38-2P

AES-1214-39-2P

AES-1214-40-2P

AES-1118S-P311

AES-1118S-PT11

AES-1214-38-PU

AES-1214-383-PUC

AES-1214-39-PU

AES-1214-393-PUC

AES-1214-40-PU

AES-1214-403-PUC


SINGLE SOCKET PANEL



DOUBLE SOCKET PANEL

Front Panel Set



Back Panel Set



Tent Panel Set



TRIPLE SOCKET PANEL

Front Panel Set

AES-1214-383-PUC



AES-1214-383-PUV



AES-1214-383-PUM



AES-1214-383-PCV



AES-1214-383-PCM



AES-1214-383-PVM



AES-1214-383-UCV



AES-1214-383-UCM



AES-1214-383-UVM



AES-1214-383-CVM



Back Panel Set

AES-1214-393-PUC



AES-1214-393-PUV



AES-1214-393-PUM



AES-1214-393-PCV



AES-1214-393-PCM



AES-1214-393-PVM



AES-1214-393-UCV



AES-1214-393-UCM



AES-1214-393-UVM



AES-1214-393-CVM



Tent Panel Set

AES-1214-403-PUC



AES-1214-403-PUV



AES-1214-403-PUM



AES-1214-403-PCV



AES-1214-403-PCM



AES-1214-403-PVM



AES-1214-403-UCV



AES-1214-403-UCM



AES-1214-403-UVM



AES-1214-403-CVM



AES-1211-11B-1

Battery Disconnect Switch AES-1211-11
Push Button Switch AES-1117-15
Indicator Light AES-1117-23 (φ 15mm)

**AES-1211-11B-2**

Toggle Switch with Cover AES-1118-39
Push Button Switch AES-1117-15
Indicator Light AES-1117-26 (φ 15mm)

**AES-1211-11B-3**

Battery Disconnect Switch AES-1211-11
Push Button Switch AES-1117-15
Toggle Switch with Cover AES-1118-39
Indicator Light AES-1117-28 (φ 9.5mm)
AES-1117-29 (φ 8mm) * 3pcs

**AES-1211-11B-4**

Battery Disconnect Switch AES-1211-11
Push Button Switch AES-1117-15
Indicator Light AES-1117-28 (φ 9.5mm)
AES-1117-29 (φ 8mm) * 3pcs
Toggle Switch w/Cover AES-1118-39*3pcs

**AES-1214-11**

Panel set separate starting and housing circuits protect electronics from starting surges.
Max. 32VDC
Battery Switch * 2pcs
- AES-1211-29 On/Off (key type)
- AES-1211-29A On/Off (knob type)
Circuit Breaker

**AES-1214-12**

Panel set separate starting and housing circuits protect electronics from starting surges.
Max. 32VDC
Battery Switch * 3pcs
- AES-1211-29 On/Off (key type)
- AES-1211-29A On/Off (knob type) * 2pcs
Indicator Light AES-1117-30*2pcs

**AES-1214-14A****AES-1214-14B**

Water Resistant Circuit Breaker Panel (3P)
Dimension: 95.25*133.35mm

A type: 3 illuminated rocker switches with circuit breakers
B type: 3 illuminated rocker switches with fuse holders.

**AES-1214-15A****AES-1214-15B**

Water Resistant Circuit Breaker Panel (6P)
Dimension: 190*133.25mm

A type: 6 illuminated rocker switches with circuit breakers
B type: 6 illuminated rocker switches with fuse holders.

**AES-1214-16A****AES-1214-16B**

Water Resistant Panel with Marine 12V socket
Dimension: 190*133.25mm

A type: with circuit breakers
B type: with fuse holders.

**AES-1214-17A****AES-1214-17B**

Water Resistant Panel with Cigarette Socket & Marine 24V Socket
Dimension: 190*133.25mm

A type: with circuit breakers
B type: with fuse holders.

**AES-1214-19**

Switch Panel (6P)
Black aluminum plate with circuit breaker press to reset.
Dimension: 6Gang, 115*165mm

**AES-1214-20**

Switch Panel (3P)
Black aluminum plate with fuse holder
Dimension: 3 Gang, 117*97mm

**AES-1214-21**

Switch Panel (6P)
White Aluminum plate with fuse holder
Dimension: 6Gang, 117*167mm

**AES-1214-22**

Switch Panel (3P)
Black bakelite plate
With fuse holders & toggle switches.
Dimension: 3Gang, 115*93mm

**AES-1214-23**

PANEL SET
INCLUDES:
2 ROCKER SWITCHES AES-1118-51P
2 CIRCUIT BREAKER WITH CAP AES-ZE700-15A-C
1 BATTERY SWITCH AES-1211-29A
1 SEALINK CLA SOCKET AES-A13-142 (RATING: 12VDC 20AMPS)



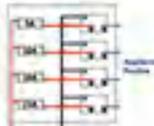
Rocker Switch in Plastic Panel

In 4/6/8 sets, equipped with circuit breaker or fuse holder. In Vertical or Horizontal Installation.
40 paper sticker labels included.



AES P/N	Switch (ON-OFF)	Fuse Holder	Panel Size (mm)	AES P/N	Switch (ON-OFF)	Circuit Breaker	Panel Size (mm)
1214-31-4	4	4 (5Ax1+10Ax2+15Ax1)	120x131x86	1214-32-4	4	4 (5Ax1+10Ax2+15Ax1)	120x131x86
1214-31-6	6	6 (5Ax2+10Ax2+15Ax2)	120x183x86	1214-32-6	6	6 (5Ax2+10Ax2+15Ax2)	120x183x86
1214-31-8	8	8 (5Ax2+10Ax3+15Ax3)	120x235x86	1214-32-8	8	8 (5Ax2+10Ax3+15Ax3)	120x235x86
1214-33-4	4	4 (5Ax1+10Ax2+15Ax1)	90x131x82	1214-34-4	4	4 (5Ax1+10Ax2+15Ax1)	90x131x82
1214-33-6	6	6 (5Ax2+10Ax2+15Ax2)	90x183x82	1214-34-6	6	6 (5Ax2+10Ax2+15Ax2)	90x183x82
1214-33-8	8	8 (5Ax2+10Ax3+15Ax3)	90x235x82	1214-34-8	8	8 (5Ax2+10Ax3+15Ax3)	90x235x82

AES-1214-31-4



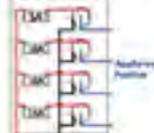
AES-1214-31-6



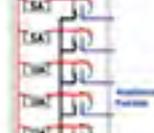
AES-1214-31-8



AES-1214-33-4



AES-1214-33-6



AES-1214-33-8



AES-1214-32-4



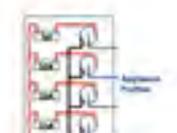
AES-1214-32-6



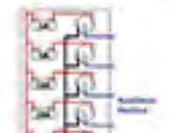
AES-1214-32-8



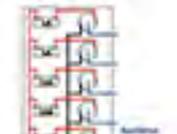
AES-1214-34-4



AES-1214-34-6



AES-1214-34-8



Spare Parts suit panel AES-1214-31~AES-1214-34 serial:

AES-1118-77A



AES-1118-83P AES-ZE700S-5 AES-ZE700S-10 AES-ZE700S-15



Rocker Switch in Plastic Panel

In 4/6/8 sets. Equipped with circuit breaker or fuse holder. In Vertical or Horizontal Installation.
60 plastic sticker labels included.

AES P/N	Switch (ON-OFF)	Circuit Breaker	Panel Size (mm)	AES P/N	Switch (ON-OFF)	Fuse Holder	Panel Size (mm)	Remark
1214-35-4	(Fixed type x3+Momentary x1)	(5A ₂ +10A ₁ +15A ₁)	100x130x82	1214-36-4	(Fixed type x3+Momentary x1)	(5A ₂ +10A ₁ +15A ₁)	100x130x82	P Type-2 color indicator: Indicators are RED when Power ON/Switch OFF. Indicators/Rocker Switches both in Green when Switch is ON.
1214-35-6	(Fixed type x5+Momentary x1)	(5A ₃ +10A ₂ +15A ₁)	100x183x82	1214-36-6	(Fixed type x5+Momentary x1)	(5A ₃ +10A ₂ +15A ₁)	100x183x82	
1214-35-8	(Fixed type x7+Momentary x1)	(5A ₄ +10A ₂ +15A ₂)	235x183x82	1214-36-8	(Fixed type x7+Momentary x1)	(5A ₄ +10A ₂ +15A ₂)	235x183x82	
1214-35P-4	(Fixed type x3+Momentary x1)	(5A ₂ +10A ₁ +15A ₁)	100x130x82	1214-36P-4	(Fixed type x3+Momentary x1)	(5A ₂ +10A ₁ +15A ₁)	100x130x82	
1214-35P-6	(Fixed type x5+Momentary x1)	(5A ₃ +10A ₂ +15A ₁)	100x183x82	1214-36P-6	(Fixed type x5+Momentary x1)	(5A ₃ +10A ₂ +15A ₁)	100x183x82	
1214-35P-8	(Fixed type x7+Momentary x1)	(5A ₄ +10A ₂ +15A ₂)	235x183x82	1214-36P-8	(Fixed type x7+Momentary x1)	(5A ₄ +10A ₂ +15A ₂)	235x183x82	

AES-1214-35-4



AES-1214-35-6



AES-1214-35-8



AES-1214-35P-4



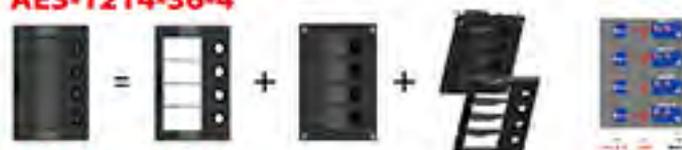
AES-1214-35P-6



AES-1214-35P-8



AES-1214-36-4



AES-1214-36-6



AES-1214-36-8



AES-1214-36P-4



AES-1214-36P-6



AES-1214-36P-8



AES-1214-35/36 serial in horizontal installation, can be combined with SMALL PANEL with more feature. Refer to Page 90.



LED Toggle Switch Panel

In 4/6 sets. Included 40 paper labels. Possibility with Power Socket, USB Socket, Cigarette Socket or DC Voltmeter Socket.

AES-1214-37-4

AES-1214-37-6

AES-1214-37-4PP

AES-1214-37-4PU

AES-1214-37-4PC

AES-1214-37-4PV

AES-1214-37-4UC

AES-1217-37-4UV

AES-1214-37-4CV

AES-1214-37F-4

AES-1214-37F-6

AES-1214-37F-4PP

AES-1214-37F-4PU

AES-1214-37F-4PC

AES-1214-37F-4PV

AES-1214-37F-4UC

AES-1217-37F-4UV

AES-1214-37F-4CV


AES P/N	Circuit Breaker	Exclusive Accessories	Panel Size	AES P/N	Fuses Holder	Exclusive Accessories	Panel Size
1214-37-4	5Ax2+10Ax1+15Ax1	—	100*130*82	1214-37F-4	5Ax2+10Ax1+15Ax1	—	100*130*82
1214-37-6	5Ax3+10Ax2+15Ax1	—	100*183*82	1214-37F-6	5Ax3+10Ax2+15Ax1	—	100*183*82
1214-37-4PP	5Ax2+10Ax2+15Ax1	Power Socket*2	100*183*82	1214-37F-4PP	5Ax2+10Ax2+15Ax1	Power Socket*2	100*183*82
1214-37-4PU	5Ax2+10Ax2+15Ax1	Power Socket*1+2 Port USB Socket*1	100*183*82	1214-37F-4PU	5Ax2+10Ax2+15Ax1	Power Socket*1+2 Port USB Socket*1	100*183*82
1214-37-4PC	5Ax2+10Ax2+15Ax1	Power Socket*1+Cigarette Socket*1	100*183*82	1214-37F-4PC	5Ax2+10Ax2+15Ax1	Power Socket*1+Cigarette Socket*1	100*183*82
1214-37-4PV	5Ax2+10Ax2+15Ax1	Power Socket*1+Voltmeter Socket*1	100*183*82	1214-37F-4PV	5Ax2+10Ax2+15Ax1	Power Socket*1+Voltmeter Socket*1	100*183*82
1214-37-4UC	5Ax2+10Ax2+15Ax1	2 Ports USB Socket*1+Cigarette Socket*1	100*183*82	1214-37F-4UC	5Ax2+10Ax2+15Ax1	2 Ports USB Socket*1+Cigarette Socket*1	100*183*82
1217-37-4UV	5Ax2+10Ax2+3Ax1	2 Port USB Socket*1+Voltmeter Socket*1	100*183*82	1217-37F-4UV	5Ax2+10Ax2+3Ax1	2 Port USB Socket*1+Voltmeter Socket*1	100*183*82
1214-37-4CV	5Ax2+10Ax2+15Ax1	Cigarette Socket*1+Voltmeter Socket*1	100*183*82	1214-37F-4CV	5Ax2+10Ax2+15Ax1	Cigarette Socket*1+Voltmeter Socket*1	100*183*82

Spare Parts to suit Toggle Switch Panel AES-1214-37 and AES-1214-38 serial:

AES-1118-73P


ON-OFF Toggle Switch
12V 20Amps, SPST
RED LED
IP66

AES-1118S-P011


Power Socket

AES-1118S-C004


Cigarette Lighter Socket

AES-1118S-U013


USB port Socket

AES-1118S-V010


Voltmeter Socket

AES-ZE700S


Circuit Breaker
5A/10A/15A



Fuse Holder
3A/5A/10A/15A

Rocker Switch In Carbon Fiber Panel

In 4/6/8 Set

Rocker Switch, with Lazer symbol actuator

With Circuit Breaker or Fuse Holder

AES-1214-44-4C



AES-1214-44-6C



AES-1214-44-8C



AES-1214-44-4F



AES-1214-44-6F



AES-1214-44-8F



Symbol no.	A01	A02	A03	A04	A05	A07	A08	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20			
Suggested Amperage for Circuit Breaker / Fuse Holder	5A	10A	15A																		
Rocker Switch Function	ON-OFF																				
Circuit	SPST	DPDT	SPDT	SPDT																	
Pin/LED	3PQ/Lamp	4PQ/Lamp	4PQ/Lamp	4PQ/Lamp																	
Symbol																					

AES P/N	Circuit Breaker	Fuse Holders	Panel Size (mm)	Hole Size (mm)	Accessories
1214-44-4C	4 (5Ax1/10Ax2/15Ax1)	—	130x100	107x82	Rocker Switch
1214-44-6C	6 (5Ax2/10Ax2/15Ax3)	—	182x100	160x82	Breakers / Fuse Holders
1214-44-8C	8 (5Ax2/10Ax3/15Ax3)	—	235x100	212x82	Breakers Waterproof Cap
1214-44-4F	—	4 (5Ax1/10Ax2/15Ax1)	130x100	107x82	Stainless Steel Screw
1214-44-6F	—	6 (5Ax2/10Ax2/15Ax3)	182x100	160x82	Rubber Gasket [2.0mm]
1214-44-8F	—	8 (5Ax2/10Ax3/15Ax3)	235x100	212x82	Electrical wiring

Toggle Switch Panel

In 4 / 6 panel set

With in-line Fuse Holder and Blade Fuse

AES-1214-45-4



AES-1214-45-3P



AES-1214-45-3U



AES-1214-45-3C



AES-1214-45-3V



AES-1214-45-6



AES-1214-45-5P



AES-1214-45-5U



AES-1214-45-5C



AES-1214-45-5V



Spare Parts to suit AES-1214-40 serial:

AES-1118-73P

AES-1118-42

AES-1611-02-16

AES-1610-BF-15



AES P/N	Fuse Holders	Panel Size (mm)	Hole Size (mm)	Exclusive Accessories	Standard Accessories
1214-45-4	15Ax2	100x110	86x86	—	Toggle Switch [SPST / ON-OFF] Fuse Holders Stainless Steel Screw Rubber Gasket [2.0mm] 28 Indication Label Electrical wiring
1214-45-3P	15Ax2	100x110	86x86	Power Socket×1	
1214-45-3U	15Ax2	100x110	86x86	2 Ports USB Socket×1	
1214-45-3C	15Ax2	100x110	86x86	Cigarette Socket×1	
1214-45-3V	15Ax2	100x110	86x86	Voltmeter Socket×1	
1214-45-6	15Ax3	100x110	86x86	—	
1214-45-5P	15Ax3	100x110	86x86	Power Socket×1	
1214-45-5U	15Ax3	100x110	86x86	2 Ports USB Socket×1	
1214-45-5C	15Ax3	100x110	86x86	Cigarette Socket×1	
1214-45-5V	15Ax3	100x110	86x86	Voltmeter Socket×1	

Rocker Switch in Aluminium Panel

Various size available, in vertical or horizontal design. Equipped with circuit breaker or fuse holder. Included 40 paper sticker labels. USB Socket, Cigarette Socket or DC Voltmeter Socket available equipped with some models.

AES-1214-41-1



AES-1214-41-3



AES-1214-41-4



AES-1214-41-1H



AES P/N Vertical Type	AES P/N Horizontal Type	Switch (ON-OFF)	Fuse Holder	Panel Size (mm)
1214-41-1	1214-41-1H	1	1 (10Ax1)	115x57x83
1214-41-3	1214-41-3H	3	3 (5Ax1+10Ax1+15Ax1)	115x96x83
1214-41-4	1214-41-4H	4	4 (5Ax2+10Ax1+15Ax1)	115x134x83
1214-41-6	1214-41-6H	6	6 (5Ax3+10Ax2+15Ax1)	115x191x83
1214-41-5-PS	1214-41-5H-PS	5	6 (5Ax3+10Ax2+15Ax1)	115x191x83
	1214-41-5H-US	5	6 (5Ax3+10Ax2+15Ax1)	115x191x83
	1214-41-5H-CS	5	6 (5Ax3+10Ax2+15Ax1)	115x191x83
	1214-41-5H-VS	5	6 (5Ax3+10Ax2+15Ax1)	115x191x84
1214-41-8	1214-41-8H	8	8 (5Ax4+10Ax2+15Ax2)	115x240x83
1214-41-7-PS	1214-41-7H-PS	7	8 (5Ax4+10Ax2+15Ax2)	115x240x83
1214-41-5PS-VM		5	6 (5Ax3+10Ax2+15Ax2)	115x240x83

AES-1214-41-6



AES-1214-41-5PS



AES-1214-41-8



AES-1214-41-7-PS



AES-1214-41-5PS-VM



AES-1214-41-5H-PS



AES-1214-41-5H-US



AES-1214-41-5H-CS



AES-1214-41-5H-VS



AES-1214-41-7H-PS



AES-1214-42-1



AES-1214-42-3



AES-1214-42-4



AES-1214-42-1H



AES P/N Vertical Type	AES P/N Horizontal Type	Switch (ON-OFF)	Circuit Breaker	Panel Size (mm)
1214-42-1	1214-42-1H	1	1 (10Ax1)	115x57x83
1214-42-3	1214-42-3H	3	3 (5Ax1+10Ax1+15Ax1)	115x96x83
1214-42-4	1214-42-4H	4	4 (5Ax2+10Ax1+15Ax1)	115x134x83
1214-42-6	1214-42-6H	6	6 (5Ax3+10Ax2+15Ax1)	115x191x83
1214-42-5-PS	1214-42-5H-PS	5	6 (5Ax3+10Ax2+15Ax1)	115x191x83
	1214-42-5H-US	5	6 (5Ax3+10Ax2+15Ax1)	115x191x83
	1214-42-5H-CS	5	6 (5Ax3+10Ax2+15Ax1)	115x191x83
	1214-42-5H-VS	5	6 (5Ax3+10Ax2+15Ax1)	115x191x84
1214-42-8	1214-42-8H	8	8 (5Ax4+10Ax2+15Ax2)	115x240x83
1214-42-7-PS	1214-42-7H-PS	7	8 (5Ax4+10Ax2+15Ax2)	115x240x83
1214-42-5PS-VM		5	6 (5Ax3+10Ax2+15Ax2)	115x240x83

AES-1214-42-6



AES-1214-42-5PS



AES-1214-42-8



AES-1214-42-7-PS



AES-1214-42-5PS-VM



AES-1214-42-5H-PS



AES-1214-42-5H-US



AES-1214-42-5H-CS



AES-1214-42-5H-VS



AES-1214-42-7H-PS



Small Panel

Size of Panel: 100x60mm

Size of Drill: 82x42mm

Individual Panel can be in Socket/Circuit Breaker feature. Also available to be in combination design with Panel AES-1214-35/AES-1214-36. See page 85 for details. More Combination at customer choice.



AES-1214-43-PS

Power Socket Panel
(w/Power Socket P)
12V 15A Power Socket *1
Socket Dia:21mm



AES-1214-43-VS

DC Voltmeter Panel
Voltmeter Socket *1
3A Circuit Breaker *1



AES-1214-43-US

USB Socket Panel
2 Port USB Socket *1
3A Circuit Breaker *1



AES-1214-43-MS

Power Socket Panel
(w/Power Socket M)
12V 16A Power Socket *1
Socket Dia: 12mm



AES-1214-43-CS

Cigarette Socket Panel
Cigarette Lighter Socket *1
15A Circuit Breaker *1

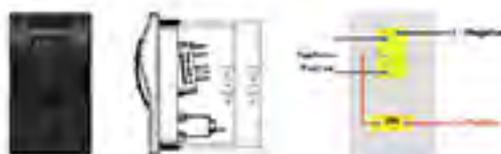


AES-1214-43-R

Blige Pump Switch Panel

Rocker Switch *1
10A Circuit Breaker *1

Operated by 3 way Rocker Switch
as AUTO ON-OFF-MANUAL ON.
OFF: no light
AUTO ON: Green
MANUAL ON: RED (Momentary)



AES-1214-43-R-N2 (Actuator: B2) AES-1214-43-R-NE (Actuator: E) AES-1214-43-R-NL (Laser Actuator: L) AES-1214-43-R-NLF (Laser Actuator: LF)

AES-1214-43-TVM

Battery Tester Panel

Toggle Switch *1
DC Voltmeter *1

Digital indication of battery
charge level,
selected BAT 1 or BAT 2 by
LED Toggle Switch



AES-1214-43-TVM-N2 (Actuator: B2) AES-1214-43-TVM-NE (Actuator: E) AES-1214-43-TVM-NL (Laser Actuator: L) AES-1214-43-TVM-NLF (Laser Actuator: LF)

AES-1411-18

Standard # DS-249
 Cole Hersee # 2484-06
 Master Battery
 Disconnect Switch.
 For Caterpillar 7N0718.



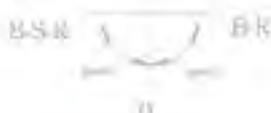
AES-1411-19

Cole Hersee # 75701
 Forklift Switch
 Universal Rotary Switch.
 Available in full range of
 circuitries and styles
 for lighting, ignition and
 similar applications,
 For Caterpillar 2S-2432,
 8S-7713, 7N-4160
 20 Amps, 12VDC



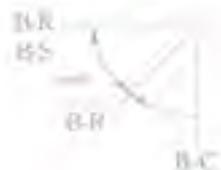
AES-1411-23

Ignition Starter Switch
 For Caterpillar 7N4160,
 3 terminals.



AES-1411-23A

Ignition Switch
 For Caterpillar 9W1077
 4 terminals



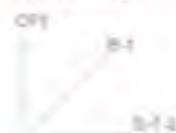
AES-1411-31

Master Switch
 For Caterpillar 3K1650



AES-1411-35

For Farm Tractor
 Lucas 35910D



AES-1411-36

Ignition Starter Switch
 For Caterpillar



AES-1411-38

Ignition Starter Switch
 For Caterpillar 9G7641



AES-1411-42

Ignition Starter Switch
 Off-On-Start
 With Anti-Restart Function
 For Caterpillar 3E0156



AES-1411-42A



AES-1411-42B



AES-1121-11

Universal Trunk Lock LP-101
Chrysler 1973-1980

**AES-1121-12**

Latch Assembly

**AES-1121-13**

Lock

**AES-1131-11**

Lever

**AES-1511-13**

Signal Turn Switch
HL-101



WIRE ROUTING SCHEMATIC		
WIRE COLOR	FROM	TO
RED		BRAKE LIGHT SWITCH
BLACK		FLASHER, TERMINAL "1"
BLUE		FLASHER, TERMINAL "2"
ORANGE	TURN SIGNAL SWITCH	SIGNAL LAMP, LEFT REAR
BROWN		SIGNAL LAMP, RIGHT REAR
YELLOW		SIGNAL LAMP, LEFT FRONT
GREEN		SIGNAL LAMP, RIGHT FRONT
RED (LUG)	BATTERY	FLASHER, TERMINAL "3"

AES-1511-16

Signal Turn Switch
HL-102

**AES-1113-51**

Thermostat
ON at 185°F / OFF at 170°F

**AES-1113-52**

Thermostat
ON at 210°F / OFF at 195°F

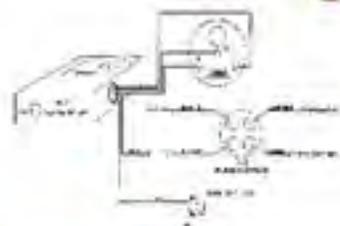


AES-1511-41

Fan Control Set

Including:

- Controller Box
- 30Amps Fuse Holder
- Led Indicator



AES-1122-2

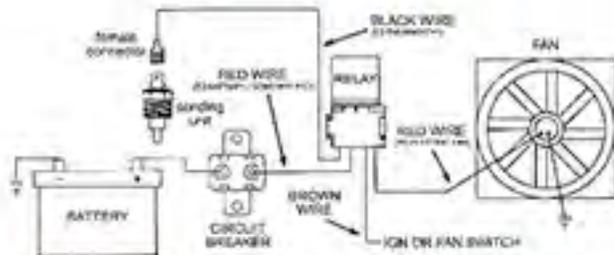


AES-1122-13

Fan Relay Assembly

Including:

- Thermostat
- ON at 185°F / OFF at 170°F
- 40A Relay
- Relay Socket Set

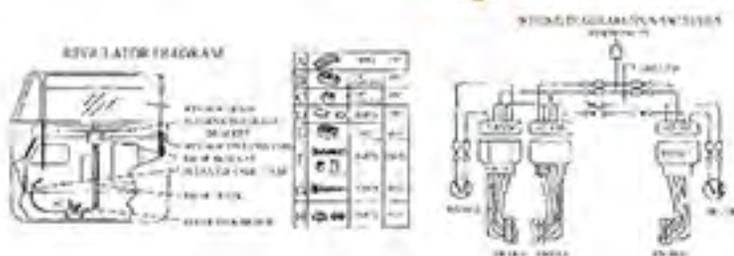


AES-1122-14

Power Window Switch Set

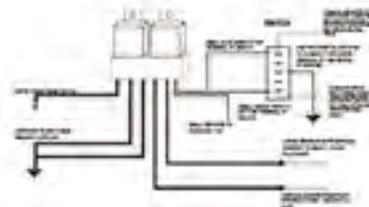
Including:

- Window Switch * 3
- 1 Hole Panel * 1
- 2 Hole Panel * 2
- Wire Harness Set * 1



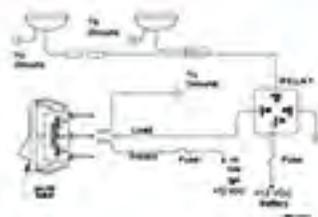
AES-1122-16

Fan Relay Kit



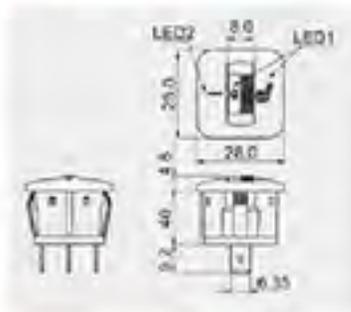
AES-1122-17

Light Control Kit



AES-1122-18

Thumbwheel Switch



AES-1122-21

Voltage Reducer





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