



TOP QUALITY
AUTO ELECTRIC PRODUCTS CO., LTD.

V-242

Vehicle Catalogue ~ Battery Switches and Relatives & Tarp/Dump System items



Company Profile

Founded in 1979, AES has been manufacturing automotive and marine electrical components for over 40 years.

ISO 9001 certified since 2000, also IATF16949 certified since 2018, AES continuously improves management systems, production standardization and testing techniques.

Based on our management philosophy: Professional, Honesty and Quality, AES prides itself on maintaining long-term partnerships with all of its customers. The company expanded in 2009 and is ready for a new era - one that is completely quality and customer oriented.

Quality Policy

- Top Quality
- Research and Development
- Customer Satisfaction

Company Goal

World Class SWITCHES Manufacturing





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Vehicle Switches & Parts

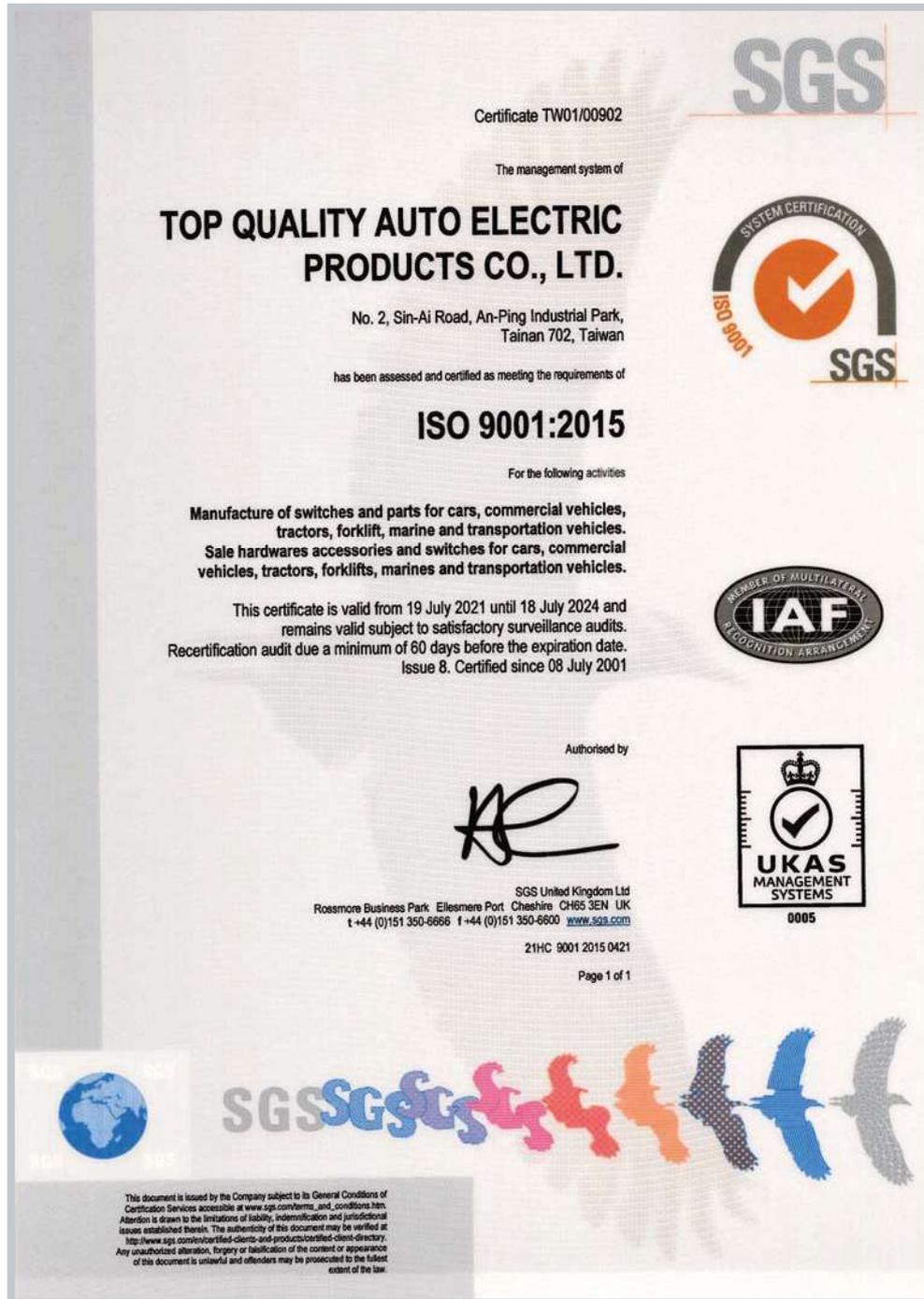
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Battery Switches and Relatives

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ISO9001 certified since 2000





IATF 16949 certified since 2018

Certificate IATF 0411710
Certificate SGS TW18/10259

The management system of

TOP QUALITY AUTO ELECTRIC PRODUCTS CO., LTD.

No. 2, Sin-Ai Road, An-Ping Industrial Park,
Tainan 702, Taiwan

has been assessed and certified as meeting the requirements of

IATF 16949:2016
Edition 1

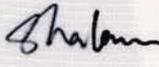
For the following activities

Manufacture of isolator switches and ignition starter switches.

EXCLUSIONS: 8.3 product Design

3 Year certification is valid from 19 July 2021 until 18 July 2024 and remains valid subject to satisfactory surveillance audits.
Version no.03 Current version updated 19 July 2021

Authorised by



Veto Power Authority



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SGS IATF16949 0417
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Battery Disconnect Switches & Battery Selectors



AES-1211-11

Polyster housing for rust and corrosion proof
Removable Polyester Key for security.

	AES-1211-11	AES-1211-11T	AES-1211-11S
Operation	OFF-ON	OFF-ON	OFF-ON
Stud	Brass, M10*2	Tin Plated Brass , M10*2	Silver Plated Brass, M10*2
Contact Plate	Brass	Silver Plated Brass	Silver Plated Brass
Normal Voltage	Up to 24VDC	Up to 24VDC	Up to 24VDC
Normal Current	100Amps continuous at 12VDC	250Amps continuous at 24VDC	250Amps continuous at 24VDC

6EK 002 843-000

6EK 002 843-013

6EK 002 843-051



AES-1211-11-A

Polyster housing for rust and corrosion proof
Removable weatherproof key with rubber cover.

	AES-1211-11-A	AES-1211-11-AT
Operation	OFF-ON	OFF-ON
Stud	Brass, M10*2	Silver Plated Brass, M10*2
Contact Plate	Brass	Silver Plated Brass
Normal Voltage	Up to 24VDC	Up to 24VDC
Normal Current	100Amps continuous at 12VDC	250Amps continuous at 24VDC

6EK 002 843-000
14.385.15

6EK 002 843-051



AES-1211-16

Heavy Duty Battery Switch
With RED or BLACK handle

	AES-1211-16	AES-1211-16-A
Operation	OFF-ON	OFF-ON
Stud	Brass, M10*2	Brass, M12*2
Contact Plate	Brass	Brass
Normal Voltage	Up to 24VDC	Up to 24VDC
Normal Current	300Amps continuous at 24VDC	300Amps continuous at 24VDC
Intermittent Rating	1,000Amps at 24VDC	1,000Amps at 24VDC
IP Rating	IP66	IP66

080101 00

201363 (Red); 201543 (Black)

YMF 100 SE1 002 (Red); YMF 100 SE1 002 (Black)



AES-1211-16-A





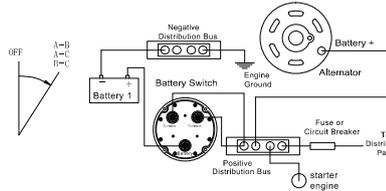
M-744

AES-1211-23



AES-1211-23A

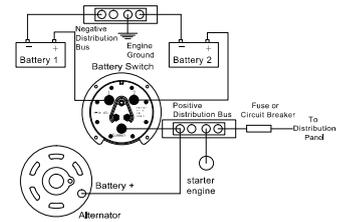
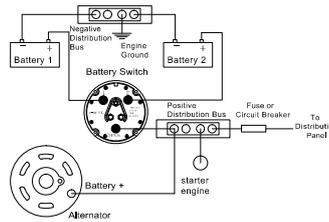
	AES-1211-23	AES-1211-23A
Housing	Phenolic	Polyster
Dimension	140*140*90mm	160*160*70mm
Operation	OFF-ON	OFF-ON
Stud	Copper, 3/8**3	Copper, 1/2**3
Contact Plate	Copper	Copper
Normal Voltage	Up to 36VDC	Up to 36VDC
Normal Current	310Amps continuous at 12VDC	310Amps continuous at 12VDC



M-705

AES-1211-24

	AES-1211-24	AES-1211-24A	AES-1211-24B
Housing	Phenolic	Polyster	Polyster
Dimension	140*140*90mm	160*160*70mm	160*160*70mm
Operation	OFF-1-BOTH-2	OFF-1-BOTH-2	OFF-1-BOTH-2
Stud	Copper, 3/8**3	Copper, 3/8**3	Copper, 3/8**3+Brass #10-32 *2
Contact Plate	Copper	Copper	Copper
Normal Voltage	Up to 36VDC	Up to 36VDC	Up to 36VDC
Normal Current	310Amps continuous at 12VDC	310Amps continuous at 12VDC	310Amps continuous at 12VDC with AFD
Additional Feature			



銅牌	OFF	1	1+2	2
COM-BAT #1		■	■	■
COM-BAT #2			■	■
BAT#1-BAT #2			■	■

Stud	OFF	1	1+2	2
COM-BAT #1		■	■	■
COM-BAT #2			■	■
BAT#1-BAT #2			■	■
small stud(MS)			■	■



M-750
2767

AES-1211-24A



M-752

AES-1211-24B



M-751
2768

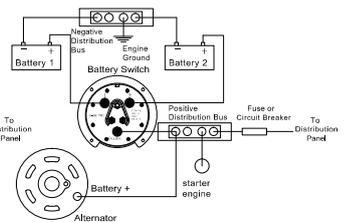
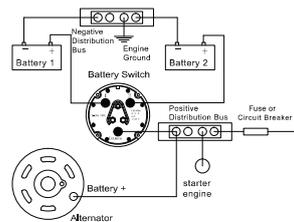
AES-1211-25A



M-753
14,904.00

AES-1211-25B

	AES-1211-25A	AES-1211-25B
Housing	Polyster	Polyster
Dimension	160*160*70mm	160*160*70mm
Operation	OFF-1-BOTH-2, with Lock	OFF-1-BOTH-2, with Lock
Stud	Copper, 3/8**3	Copper, 3/8**3+Brass #10-32 *2
Contact Plate	Copper	Copper
Normal Voltage	Up to 36VDC	Up to 36VDC
Normal Current	310Amps continuous at 12VDC	310Amps continuous at 12VDC
Additional Feature		with AFD



銅牌	OFF	1	1+2	2
COM-BAT #1		■	■	■
COM-BAT #2			■	■
BAT#1-BAT #2			■	■

Stud	OFF	1	1+2	2
COM-BAT #1		■	■	■
COM-BAT #2			■	■
BAT#1-BAT #2			■	■
small stud(MS)			■	■

Mini Type Battery Switch

In Panel or Surface mounted type.
Also Combination set available.

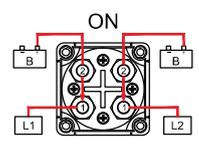
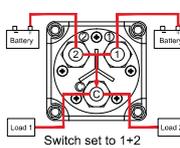
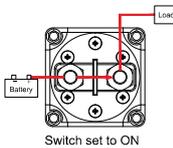
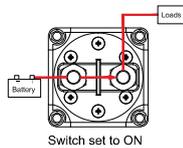
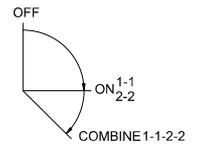
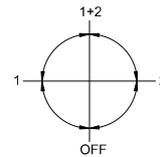
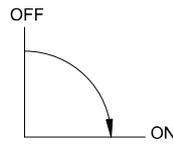
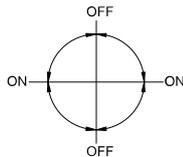
Panel Mounted Type (without Housing Wall)	AES-1211-28	AES-1211-29	AES-1211-30A	
	AES-1211-28A	AES-1211-29A		
Surface Mounted Type (with Housing Wall)	AES-1211-28B	AES-1211-29B	AES-1211-30C	AES-1211-30D
	AES-1211-28C	AES-1211-29C		
Housing	Polyster	Polyster	Polyster	Polyster
Dimension	69*69*75mm	69*69*75mm	69*69*75mm	69*69*75mm
Operation	OFF-ON-OFF-ON	OFF-ON	OFF-1-BOTH-2	OFF - ON B1+B2 Separated - ON B1+B2 Parallel
Stud	Brass, 3/8**2	Brass, 3/8**2	Brass, 3/8**3	Brass, 3/8**4
Contact Plate	Silver Plated Copper	Silver Plated Copper	Brass	Silver Plated Copper
Normal Voltage	Up to 48VDC	Up to 48VDC	Up to 48VDC	Up to 48VDC
Continuous Rating	300Amps continuous	300Amps continuous	300Amps continuous	300Amps continuous
	at 12VDC	at 12VDC	at 12VDC	at 12VDC
Intermittent Rating	700Amps/10 secs	700Amps/10 secs	700Amps/10 secs	700Amps/10 secs
Cranking Rating	1,000Amps/5 secs	1,000Amps/5 secs	1,000Amps/5 secs	1,000Amps/5 secs
Inrush Rating	1,500Amps/ms.	1,500Amps/ms.	1,500Amps/ms.	1,500Amps/ms.
IP Rating	IP66	IP66	IP66	IP66

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701

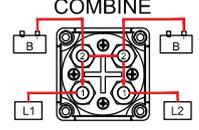
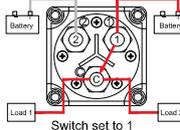
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701S

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AES-1211-28

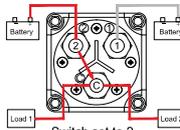
AES-1211-29



AES-1211-28A

AES-1211-29A

AES-1211-30A



AES-1211-28B

AES-1211-29B



AES-1211-28C

AES-1211-29C

AES-1211-30C

AES-1211-30D



Combination Set





Voltage Sensitive Relay

When the engine is started and the start battery reaches cut-in voltage, the VSR engages, allowing two battery banks (start and auxiliary) to be charged simultaneously. When the voltage drops below cut-out voltage (eg the engine is stopped), the VSR disengages, and separating the batteries. This system eliminates the possibility of draining the start battery and protects sensitive electronic equipment powered from the auxiliary battery from harmful engine start up spikes.



AES-1211-31

AES-1211-31D

	AES-1211-31	AES-1211-31-100B	AES-1211-31D
Normal Voltage	12VDC	12VDC	12VDC/24VDC
Normal Current	160Amps	100Amps	125Amps
Cut-out Voltage	12.6V	12.5V	12.8V at 12VDC 26.6V at 24VDC
Cut-in Voltage	13.6V	13V	13.8V at 12VDC 26.8 at 24VDC
	4RD 980 830-001		14.921.90 710-140A

Battery Switch with lockout feature

	AES-1211-32C	AES-1211-32	AES-1211-32-3T	AES-1211-32-4T
Housing	Polyster	Polyster	Polyster	Polyster
Dimension	102*102*90mm	102*102*90mm	102*102*90mm	102*102*90mm
Operation	OFF-ON (1 Battery)	OFF-ON (1 Battery)	OFF-1-BOTH-2	OFF - ON B1+B2 Separated / ON B1+B2 Parallel
Stud	Brass, M10*2	Brass, M10*2	Brass, M10*3	Brass, M10*4
Contact Plate	Silver Plated Copper	Silver Plated Copper	Silver Plated Copper	Silver Plated Copper
Normal Voltage	Up to 48VDC	Up to 48VDC	Up to 48VDC	Up to 48VDC
Continuous Rating	550Amps continous at 12VDC			
Intermittent Rating	800Amps/10 secs	800Amps/10 secs	800Amps/10 secs	800Amps/10 secs
Cranking Rating	2,500Amps/5 secs	2,500Amps/5 secs	2,500Amps/5 secs	2,500Amps/5 secs
Lock-out feature	Yes	No	No	No

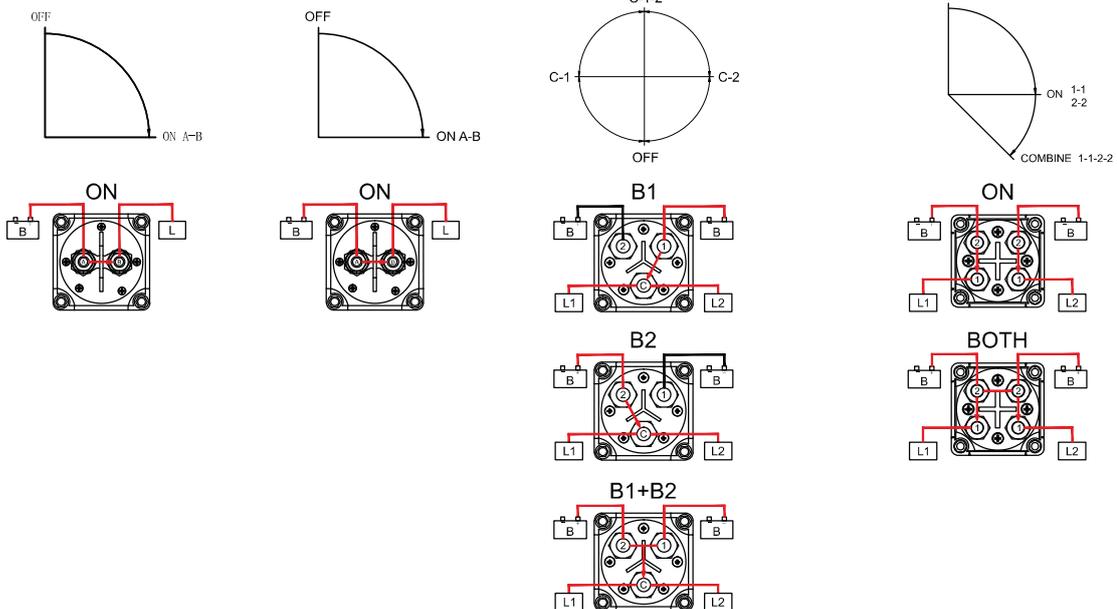


AES-1211-32C

AES-1211-32

AES-1211-32-3T

AES-1211-32-4T



Remote Control Battery Switch / Dual Operation VSR and Battery Switch Parellel

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 override option.

Automatically sense connected battery bank voltages and provide optimal, efficient charging of the second bank. It allows for independent battery banks to be combined or isolated based on the presence of a charging sources, while also offering remotely activated, high current, emergency parallel connection. Provide On/Off switching operation, through a momentary button on the dash which will parallel the batteries for 10 minutes. Once this 10 minutes has passed, if the voltage is up high enough, the switch will stay engaged. If not, it will disengage. Manual override option.



Same as AES-1211-34, harness with Amphenol Connector.



AES-1211-34 AES-1211-34P

AES-1211-34V

Housing	Polyster
Dimension	69*69*101mm
Operation	OFF-ON (cable controlled)
Stud	Brass, M10*2
Contact Plate	Silver Plated Copper
Normal Voltage	Up to 48VDC
Continuous Rating	275Amps continuous at 12VDC
Intermittent Rating	455Amps/10 secs
Cranking Rating	1,250Amps/5 secs

701-MD

Housing	Polyster
Dimension	69*69*101mm
Operation	VSR + OFF-ON (cable controlled)
Stud	Brass, M10*2
Contact Plate	Silver Plated Copper
Normal Voltage	12VDC
Continuous Rating	275Amps continuous
Cut-in Voltage	12.2~13.0VDC
Cut-out Voltage	13.7VDC

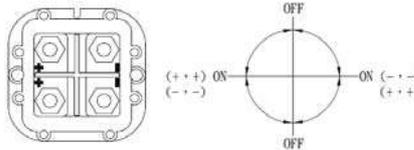
701-MDVS

Battery Disconnect Switches



AES-1213-13 AES-1213-13B

Sames AS-1213-13, except with L lever.



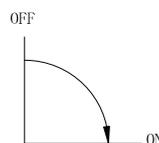
Removable weatherproof key with rubber cover.

Operation	OFF-ON
Pole	2
Stud	Silver Plating Brass, M10*4
Contact Plate	Copper
Normal Voltage	Up to 24VDC
Normal Current	120Amps continuous at 24VDC
Intermittent Rating	2,000Amps at 24VDC
IP Rating	Meet IP65

14.386.05
6EK 001 559-981



AES-1213-14



Operation	OFF-ON
Stud	Copper, M10*2
Contact Plate	Copper
Normal Voltage	Up to 24VDC
Normal Current	100Amps continuous at 12VDC
Intermittent Rating	300Amps at 12VDC for 5 secs





SPST Type

AES-1411-16

51-302/51-902

SPST OFF-ON, 2 stud terminals for Battery Circuit Only. Does not disconnect Alternator or Generator Field Circuit. Engine must be shut off to avoid potential damage to alternator diodes. 6-36VDC, 190 Amps continuous capacity, 1000Amps in Rush.



AES-1411-16-3

51-315/51-915
DS214S

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



AES-1411-16-3P

51-316/51-916

Same as AES-1411-16 With encapsulated removable keys. With Index Pin to prevent rotation while installing.



AES-1411-16H

51-307/51-927

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



DPST Type

AES-1411-16A

51-304/51-904 DS-247 #2484

DPST 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: 20Amps. Intermittent Rating (Carring) Large studs: 1,000Amps



AES-1411-16-B

51-318/51-918

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



AES-1411-16-BP

51-319/51-919

Same as AES-1411-16A With encapsulated removable keys. With Index Pin to prevent rotation while installing.



Battery Switch w/Face Plate



AES-1411-16L

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



(Padlock not included)

AES-1411-16LR

Lock-out Lever Kit RED



AES-1411-16LY

Lock-out Lever Kit YELLOW



Battery Switch In Lock-out Kit



Battery Disconnect Switches



AES-1411-18



AES-1411-18A-L



AES-1411-18D



AES-1411-534



AES-1411-18C-4TR-L



AES-1411-18B



AES-1411-18E

	AES P/N#	Countinuous Rating	In Rush Amps/ Time Period	Actuator	Studs	Indexing Pin
# DS-249 # 2484-19 7N0718	AES-1411-18	24V 180A	1,000A in rush 20 seconds ON, 5 minutes OFF	Metal Key	3/8" * 2	Yes
	AES-1411-18M	24V 200A	2,000A 5 seconds	Metal Key	3/8" * 2	Yes
	AES-1411-18C	24V 180A	1,000A in rush 20 seconds ON, 5 minutes OFF	Lever	3/8" * 2	Yes
	AES-1411-18C-L	24V 180A	1,000A in rush 20 seconds ON, 5 minutes OFF	Lock-out Lever	3/8" * 2	Yes
	AES-1411-18C-4T	24V 180A/20A	1,000A in rush 20 seconds ON, 5 minutes OFF	Lever	3/8" * 2 + #10-32 * 2	Yes
	AES-1411-18C-4TR	24V 180A/20A		RED Lever	3/8" * 2 + #10-32 * 2	Yes
	AES-1411-18C-4T-L	24V 180A/20A		Lock-out Lever	3/8" * 2 + #10-32 * 2	Yes
	AES-1411-18C-4TR-L	24V 180A/20A		RED Lock-out Lever	3/8" * 2 + #10-32 * 2	Yes
# 2484-06	AES-1411-18C-1	24V 180A	1,000A in rush	Lever	3/8" * 2	No
	AES-1411-18C-1R	24V 180A		RED Lever	3/8" * 2	No
	AES-1411-18C-1-4T	24V 180A/20A	1,000A in rush 20 seconds ON, 5 minutes OFF	Lever	3/8" * 2 + #10-32 * 2	No
	AES-1411-18C-1-4TR	24V 180A/20A		RED Lever	3/8" * 2 + #10-32 * 2	No
# 79508	AES-1411-18A	24V 300A	2,000A 5 seconds	Lever	1/2" *2	Yes
	AES-1411-18A-L	24V 300A		Lock-out Lever	1/2" *2	Yes
# 79507	AES-1411-18B	24V 300A/20A	Large Studs: 2000A, 15 seconds ON, 3 minutes OFF	Lever	1/2" *2 + #10-32*2	Yes
	AES-1411-18B-L	24V 300A/20A		Lock-out Lever	1/2" *2 + #10-32*2	Yes
	AES-1411-18B-LR	24V 300A/20A		RED Lock-out Lever	1/2" *2 + #10-32*2	Yes
# M-284	AES-1411-18D	24V 175A	1,000A in rush 15 seconds ON, 5 minutes OFF	Lever	3/8" * 2	No
	AES-1411-18D-4T	24V 175A/20A		Lever	3/8" * 2 + #10-32 * 2	No
	AES-1411-18E	24V 180A	1,000A in rush 15 seconds ON, 5 minutes OFF	Lever	3/8" * 2	Yes
	AES-1411-18EM-10	24V 300A	1,500A in rush 15 seconds ON, 5 minutes OFF	Lever	M10 *2	Yes
# 95912	AES-1411-534	24V 150A	750A in rush 15 seconds ON, 5 minutes OFF	Red Lever	3/8" * 4	Yes
	AES-1411-534L	24V 150A		RED Lock-out Lever	3/8" * 4	Yes
	AES-1411-534-1	24V 150A		Lever	3/8" * 4	No





AES-1411-18L



AES-1411-18L-AY



AES-1411-534L



AES-1411-18L-B

75920

75920-01

AES P/N#	Countinuous Rating	In Rush Amps/Time Period	Actuator	Studs
AES-1411-18L	24V 180A	1,000A in rush 20 seconds ON, 5 minutes OFF	RED Lock-out Knob	3/8" * 2
AES-1411-18L-Y	24V 180A	1,000A in rush 20 seconds ON, 5 minutes OFF	YELLOW Lock-out Knob	3/8" * 2
AES-1411-18L-M	24V 200A	2,000A 5 seconds	RED Lock-out Knob	3/8" * 2
AES-1411-18L-4T	24V 180A	1,000A in rush 20 seconds ON, 5 minutes OFF	RED Lock-out Knob	3/8" * 2 + #10-32 * 2
AES-1411-18L-A	24V 300A	2,000A 5 seconds	RED Lock-out Knob	1/2" * 2
AES-1411-18L-AY	24V 300A	2,000A 5 seconds	YELLOW Lock-out Knob	1/2" * 2
AES-1411-18L-B	24V 300A/20A	Large Studs: 2000A, 15 seconds ON, 3 minutes OFF	RED Lock-out Knob	1/2" * 2 + #10-32*2
AES-1411-18L-BY	24V 300A/20A	Large Studs: 2000A, 15 seconds ON, 3 minutes OFF	YELLOW Lock-out Knob	1/2" * 2 + #10-32*2
AES-1411-534L	24V 125A	750A in rush 15 seconds ON, 5 minutes OFF	RED Lock-out Knob	3/8" * 4
AES-1411-534LS	24V 300A	750A in rush 15 seconds ON, 5 minutes OFF	RED Lock-out Knob	3/8" * 4

Battery Disconnect Switches



AES-1411-34A
200015

Double Pole Switch
OFF-ON
Rating: Max 48VDC
250Amps continuous
2,500Amps /5 secs.
Termina: M10*4
Meet IP65



AES-1411-34B
200019

Double Pole Switch with
Auxiliary circuit
OFF-ON
Rating: Max 48VDC
250Amps continuous
2,500Amps /5 secs.
Termina: M10*4 + M6*2
Meet IP65



AES-1411-34C
200014

Double Pole Switch with
Auxiliary circuit
OFF-ON
Rating: Max 48VDC
250Amps continuous
2,500Amps /5 secs.
Termina: M10*4 + M6*2
Meet IP65
Normally Closed



AES-1411-51
201601

Emergency Stop Switch
With Rotative releasing.
Normal ON,
push down to OFF,
Rotate Knob to release.
Rating: Max 48VDC
150Amps continuous
1,000Amps/5 secs.
Terminal: M8*2
Meet IP66



AES-1411-51A

Same as AES-1411-51,
except with arrow mark
on knob.



AES-1411-531

Battery Isolator with Removable
Key in ON or OFF Position
Rating: 24VDC 100Amps continuous
500Amps/5 seconds.



AES-1411-532
08099100

Battery Disconnect Switch
with Fixed Handle
Rating:
24VDC 250Amps continuous
2,000Amps/5 secs.



AES-1411-532A
FR1044

With Lockout Bracket/Handle

FR1003



AES-1411-532B

With Extention Handle
and mounting Bracket



AES-1411-532C

With Removable Key



AES-1411-532D

With Removable
Key/Bracket



AES-1411-533H

Single Pole Battery Switch
with fixed handle
Rating: 12VDC 300Amps,
3,000Amps/5 secs
Terminal: M10*2



AES-1411-533P-A

Single Pole Battery Switch
with removable key/cap
Rating: 12VDC 300Amps,
3,000Amps/5 secs
Terminal: M10*2





AES-1411-535R



AES-1411-535Y

The lockout bracket is designed to suit a Battery Switch, which enables the switch to be locked in OFF position and protects the personnel and the vehicle from unauthorized start up. For Battery Isolation use in RED For Starter Isolation use in YELLOW.



AES-1411-537

OFF-ON, 2 positions
12VDC 100Amps continuous.



AES-1411-538

OFF-ON-OFF-ON, 4 positions
12VDC 100Amps continuous.



AES-1411-539A



AES-1411-539B



AES-1411-539C



AES-1411-540A



AES-1411-540B



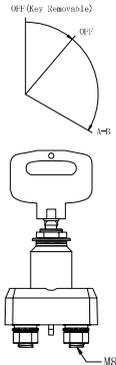
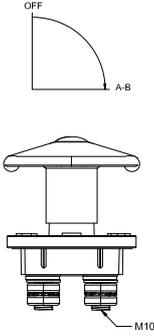
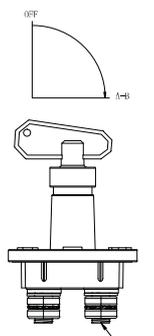
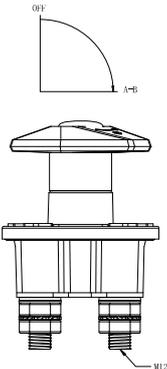
AES-1411-540C

Technical Data

Operating Temperature Range:	-40°C~ 85°C
Nominal Voltage:	Up to 24VDC
Nominal Current:	250Amps continuous at 24VDC
Over Load Capacity:	2000Amps 5 Sec.
Max Contact drop at Max Load:	300mV at rated Load
Sealing Protection:	Meet IP65
Insulation Resistance:	≥1MΩ/500V
Di-Electric withstanding Voltage:	1000V/1min
Endurance :	10,000cycles at 24V 250Amps

	SWITCH TYPE	MOUNTING HOLE PATTERN
A		
B		
C		

Battery Disconnect Switches

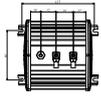
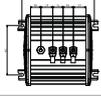
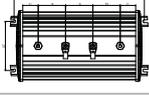
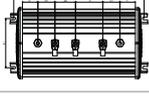
AES P/N#		Rating	Dimension	Stud
<p>AES-1411-541</p> 		<p>24V 100A continuous Max 24V 500A/10 secs</p>		<p>M8*2 Copper</p>
<p>AES-1411-542</p> 	<p>AES-1411-542A (with Bracket)</p> 	<p>24V 300A continuous Max 24V 2,000A/10 secs</p>		<p>M10*2 Copper</p>
<p>AES-1411-543</p> 	<p>AES-1411-543A (with Bracket)</p> 	<p>24V 300A continuous Max 24V 2,000A/10 secs</p>		<p>M10*2 Copper</p>
<p>AES-1411-544</p> 	<p>AES-1411-544A (with Bracket)</p> 	<p>24V 400A continuous Max 24V 2,000A/10 secs</p>		<p>M12*2 Silver Plated Copper</p>





Battery Isolators

Battery Isolator: very low voltage drop battery combiners (diodes) and automatic battery isolator. Allow to charge more than one battery simultaneously. Electrical separation of each battery to avoid the one with highest charge level to flow into the one with lowest charge level. Aluminium body.

AES P/N#	Picture	TYPE	V DC	Amps
AES-1411-561-502		1 IN 2 OUT	12	50
AES-1411-561-503		1 IN 3 OUT	12	50
AES-1411-561-1002		2 IN 2 OUT	12	100
AES-1411-561-1003		2 IN 3 OUT	12	100



Automatic Bipolar Battery Switch

AES P/N #	Pole	V DC	Max Load		Remark
			for 5 secs	Continuous	
AES-1411-570-12	1	12	2500 A	300 A	
AES-1411-570-12G	1	12	2500 A	300 A	Separate ON/OFF Switch
AES-1411-570-24	1	24	2500 A	300 A	
AES-1411-570-24G	1	24	2500 A	300 A	Separate ON/OFF Switch
AES-1411-571-12	2	12	2500 A	300 A	
AES-1411-571-12G	2	12	2500 A	300 A	Separate ON/OFF Switch
AES-1411-571-24	2	24	2500 A	300 A	
AES-1411-571-24A	2	24	2500 A	300 A	With Pigtail
AES-1411-571-24G	2	24	2500 A	300 A	Separate ON/OFF Switch



Solenoids



AES-F503



AES-F503-3F

AES P/N#	V DC	Amps Continuous	Type	Terminal
AES-F503	12	80	Grounded	4
AES-F504	24	40	Grounded	4
AES-F503-3T	12	80	Insulated	3
AES-F504-3T	24	40	Insulated	3

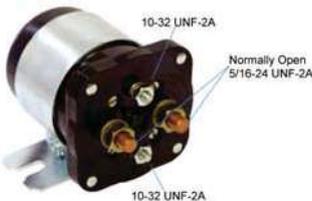


AES-C172



AES-C172-3T

AES P/N#	V DC	Amps Continuous	Type	Terminal
AES-C172	12	80~100A	Insulated	4
AES-C173	24	80~100A	Insulated	4
AES-C172-3T	12	80~100A	Grounded	3
AES-C173-3T	24	80~100A	Grounded	3



AES-E205S

AES P/N#	V DC	Amps Continuous	Type	Terminal
AES-E205S	12	200	Insulated	4
AES-E205S-1	24	200	Insulated	4



AES-1511-207-2



AES-1511-207-2A

AES P/N#	V DC	Amps Continuous	Type	Terminal
AES-1511-207-2	12	100	Insulated	4
AES-1511-207-2-24	24	100	Insulated	4
AES-1511-207-2A	12	100	Grounded	3
AES-1511-207-2A-24	24	100	Grounded	3

AES-1511-212

Starter Solenoid
Compatible with 110 John
Deere Ford F150 F250 F350
12-Volt System 4 terminals,
Replaces STS1 SS4 Ss598



AES-1511-213

Starter Solenoid
Compatible with Accumax
10A-F1035 Accurate
7-1035 Ametek 15-450
Ford - Replaces
E5TZ-11450-A E7TZ-11450-B
E9TZ-11450-A E9TZ-11450-B
SW1951 SFD6009



AES-1511-214

Starter Solenoid
Compatible with Ford
SW1951 - 66-202
TILT Trim Mercury Marine
Solenoid Relay Switch
Fits Yamaha ATV





Solenoids & Relays

The forward and reverse Relay/Solenoid module is ideal for lift or tarp operations and also anywhere an up/down, in/out, clockwise/counterclockwise control is needed, such as hoists, hatches, cherrypickers, tailgates, winches, snowplows, intake/exhaust fans, vehicle outriggers... 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.

AES-1511-211

24452

12V Reversing Relay
NO 80Amps
Sealed for weatherproof protection
6 Pole Terminal Design



AES-1511-215

#24450

12V Motor Reversing Solenoid
75Amps continuous for 5 Mins.
Intermittent 125A for 30 Secs,
150A for 0.5 Secs.
Maximum Operating Voltage 14.5VDC
DPDT Common Ground Coil



AES-1511-211S

Reversing Relay Set
Including:

- AES-1511-211 with Cover
- (ON)-OFF-(ON) Rocker Switch
AES-1118-81PBMH-B11 with Bracket
- 50Amps Circuit Breaker AES-1112-15B-50
- And Accessory



AES-1511-215S

Reversing Solenoid Set
Including:

- AES-1511-215 with Cover
- (ON)-OFF-(ON) Rocker Switch
AES-1118-85PBM-B11 with Bracket
- 50Amps Circuit Breaker AES-1112-15B-50
- And Accessory



AES-1511-216

Latching Relay
Heavy contact load- 100A 12VDC



AES-1511-217

12 VDC 100 Amp Reversing Solenoid
Coil Ratings: 12 VDC nominal, 15 VDC max, 7 Ohms
Contact Rating: 5-30 VDC
100 Amps @ max duty cycle
6 minutes @ max continuous output
20% max duty cycle



Relays

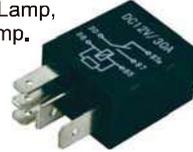
AES-01018

Headlight Relay with Double Fuse
NLR-132 6P
12V 30A



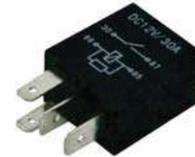
AES-01070

Waterproof Universal Relay with Resistor
5P 1C
12065125, D-1703A
Usage includes Air Conditioner Compressor,
Blower, Accessory, Alarm Chime,
Auxiliary Control, Converter Clutch Control,
Coolant Fan, Courtesy Lamp,
Fog Lamp and Fuel Pump.



AES-01073

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



AES-01075

Starter Relay
Compatible with Chrysler Products
SR-93 2713 2444442 SR105



AES-01075A

Starter Relay
SR-63 2718



AES-01075B

Starter Relay
SR-64 2719



AES-01080

Accessory Relay 5P



AES-01081

Accessory Relay 5P



AES-01086

4P Relay, with Bracket
12V 40Amps/24V 40Amps
SPST, NO Type



AES-01086S

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



AES-01087

Accessory Relay
4P



AES-01089A

Accessory Relay with Metal Bracket
12V 40Amps/24V 40Amps



AES-01089A01

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



AES-01092

Accessory Relay
5P with Bracket



AES-0109202

Accessory Relay with Diode
5P with Bracket



AES-01092S

Mini Exchange Relay
12V 30Amps/40Amps
24V 30Amps



AES-01093

Accessory Relay 5P



AES-01100

Standard Type
12V 70Amps/80Amps
24V 60Amps



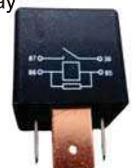
AES-01101

Without Bracket
12V 40Amps/70Amps/80Amps
Toyota 191937503 156700-1570
Headlamp Relay
24V 60A



AES-0110101

With Resistor
12V 40Amps/70Amps/80Amps
Toyota 191937503 156700-1570
Headlamp Relay
24V 60A





AES-01102A

Accessory Relay 4P
With metal bracket
12V 70A/80A
24V 60A



AES-01103

Duble Make Relay
12V 40A
24V 20A



AES-01104

Duble Make Relay without Bracket
12V 40Amps
24V 20Amps



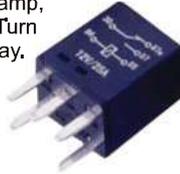
AES-01124

Honda Main Relay 39400-SH3-003
12V 7P
RZ-0028 RZ-0063



AES-01130

5P 1C
12V, 24V
12077866 95220-38300 81277-866-0
RY232 RY426 Usage includes Air
Conditioner Compressor, Accessory Safety,
Comering Lamp, Courtesy Lamp,
Cruise Control, Electronic Brake Control,
Fog Lamp Cut-off, Fob Lamp,
Fuel Pump, Hazard and Turn
Signal and Headlight Relay.



AES-01131

4P 1A, 12V, 24V
Usage includes Air Conditioner Compressor,
Accelerator, Accessory Safety,
Automatic Headlight ON/OFF,
Catalytic Converter, Temperature Indicator,
Coolant Lamp, Fuel Filler Door, Fuel Pump,
Headlight, Horn and Ignition Relay.



AES-0113003

With Diode



AES-01134

5P 1C 12V 60A/80A
24V 40A/60A



AES-01157

Waterproof Relay
12V 24V
5P 1C



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-01173

12V 4P
Ar245, RY69, 913170, 413170,
83458024, E3EB12A598B2A



AES-01184

96263403, RY604
Usage includes Air Conditioner High Blow,
Blower, Accessory Delay, Accessory Safety,
Computer Control, Coolant Fan,
Electronic Brake Control, Fog Lamp,
Headlight, Power Window,
Rear Window Defogger,
Secondary Air-Injection
Pump and Starter Relay.



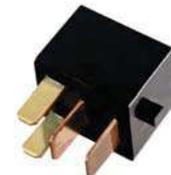
AES-01194

12V 7P
SRB301, 22RA33356B



AES-0128301

With Resistor



AES-01285

Rear Fog Timer Relay
Compatible with Peugeot, Citroen
655574, 6545A4, 9656985880,
9619879180
12V 5P



AES-03123L

Flasher Relay
12V 3P
21W *2



AES-1122-12

Universal Water Pump Relay Kit
- 40Amps Relay *1
- Wire Harness Set *1
- 30Amps Circuit Breaker *1



Circuit Breakers & Holders ~ Thermal Circuit Breakers

Surface Mount Type



AES-GCA-70



AES-GCA-A150



AES-GCA-B50

GCA Type	
Manual Stop/Reset	AES-GCA Serial
Manul Reset	AES-GCA-A Serial
Auto Reset	AES-GCA-B Serial
Stud	1/4", 28 thread *2
Normal Voltage	42VDC Maximum
Normal Current	50~200Amps
IP Rating	Meet IP67



AES-GCC-200



AES-GCC-A100



AES-GCC-B300

GCC Type	
Manual Stop/Reset	AES-GCC Serial
Manul Reset	AES-GCC-A Serial
Auto Reset	AES-GCC-B Serial
Stud	3/8", 16 thread * 2
Normal Voltage	32VDC Maximum
Normal Current	25~200A (or 300A)
IP Rating	Meet IP67



AES-GCD-200



AES-GCD-A100



AES-GCD-B300

GCD Type	
Manual Stop/Reset	AES-GCD Serial
Manul Reset	AES-GCD-A Serial
Auto Reset	AES-GCD-B Serial
Stud	3/8", 16 thread * 2
Normal Voltage	32VDC Maximum
Normal Current	25~200A (or 300A)
IP Rating	Meet IP67

Panel Mount Type



AES-GCB-150



AES-GCB-A90



AES-GCB-B60

GCB Type	
Manual Stop/Reset	AES-GCB Serial
Manul Reset	AES-GCB-A Serial
Auto Reset	AES-GCB-B Serial
Stud	1/4", 28 thread * 2
Normal Voltage	42VDC Maximum
Normal Current	50~200Amps
IP Rating	Meet IP67

Mini Thermal Circuit Breaker



AES-GCE-20



AES-GCE-A30



AES-GCE-B30

GCE Type	
Manual Stop/Reset	AES-GCE Serial
Manul Reset	AES-GCE-A Serial
Auto Reset	AES-GCE-B Serial
Stud	#10-32 thread *2
Normal Voltage	32VDC Maximum
Normal Current	10~70Amps
IP Rating	Meet IP66





Circuit Breakers & Holders ~ Thermal Circuit Breakers



AES-ZE700



AES-ZE700-A



AES-ZE700S



AES-ZE700L

Accessory:

Parts		Nut	
C:Cap	Nameplate	K:Knurl Nut	H:Hex Nut

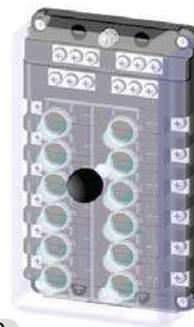
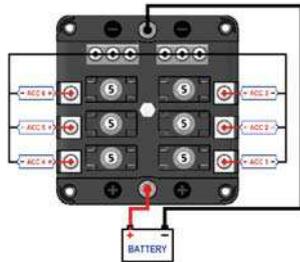
P/N#	Input Power	Rating	Reset Type
AES-ZE700	125VAC / 250VAC / 50VDC	3~50Amps	Manual Reset
AES-ZE700-A	125VAC / 250VAC / 50VDC	3~50Amps	Auto Reset
AES-ZE700S		3~20Amps	Manual Reset
AES-ZE700L		50~100Amps	Manual Reset

Circuit Breaker & Holder ~ Cuicuit Breaker Holders

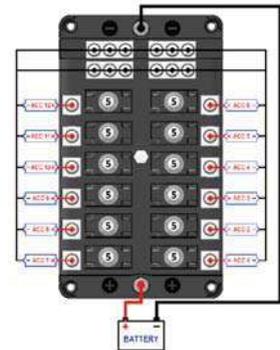
6 Circuit Breakers	12 Circuit Breakers	Input	Output Per Curcuit	Input Terminals	Input Wire Size	Output Terminals	Output Wire Size
AES-1615-11-6	AES-1615-11-12	100A Max	25A	M5 Screw	#4-6 AWG	M4 Screw	#12-16 AWG
For AES-ZE700S (3A~20A)		For AES-ZE700S (3A~20A)					



AES-1615-11-6



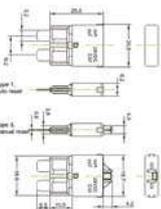
AES-1615-11-12



Circuit Breaker & Holders ~ Blade Type Circuit Breakers

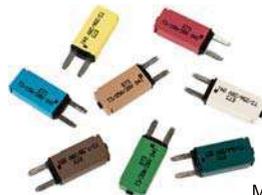


AES-1610-CB

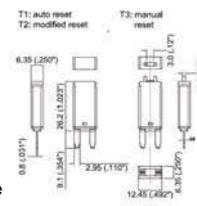


□ Color code

- 05-5A: LT.Brown
- 75-7.5A: Moss Green
- 10-10A: Red
- 15-15A: Blue
- 20-20A: Yellow
- 25-25A: White
- 30-30A: Green



AES-1610-MICB



□ Color code

- 05-5A: Tan
- 06-6A: Moss Green
- 75-7.5A: Brown
- 10-10A: Red
- 15-15A: Blue
- 20-20A: Yellow
- 25-25A: White
- 30-30A: Green

P/N#	Input Power	Rating	Reset Type
AES-1610-CBT1	125VAC / 250VAC / 50VDC	5~30Amps	Auto Reset
AES-1610-CBT3	125VAC / 250VAC / 50VDC	5~30Amps	Manual Reset
AES-1610-MICBT1		5~30Amps	Auto Reset
AES-1610-MICBT2		5~30Amps	Modified Reset
AES-1610-MICBT3		5~30Amps	Manual Reset

Circuit Breakers & Holders ~ In Line Circuit Breaker Holders



AES-1614-01



AES-1614MI-01

Mini Type

In Line Circuit Breaker Holder

12GA Rated to 30A	14GA Rated to 20A
AES-1614-01-12	AES-1614-01-14
AES-1614MI-01-12	AES-1614MI-01-14

Circuit Breakers & Holders ~ Short Stop Type

The Short Stop Circuit Breakers are thermal circuit breakers enclosed in a metal or plastic cover with two stud type terminals. They are available with or without mounting brackets, ratings from 10 to 50 amps, with versions that are rated at either 12 or 24 VDC.

P/N#	Voltage	Amps	Bracket Type	Stud (#10-32 * 2pcs)
AES-1112-15A	12VDC & 24VDC	10A~50A	Vertical	Nickel Plated Iron*2
AES-1112-15AS	12VDC & 24VDC	10A~50A	Vertical	Copper Plated Iron + Chrome Plated Iron
AES-1112-15AX	12VDC & 24VDC	10A~50A	Vertical	Copper(S) + Nickel Plated Iron (L)
AES-1112-15B	12VDC & 24VDC	10A~50A	no	Nickel Plated Iron*2
AES-1112-15BM	12VDC & 24VDC	10A~50A	no	Copper Plated Iron(S) + Nickel Plated Iron(L)
AES-1112-15C	12VDC & 24VDC	10A~50A	In Line	Copper Plated Iron(S) + Nickel Plated Iron(L)
AES-1112-15CA	12VDC & 24VDC	10A~50A	In Line	Nickel Plated Iron*2
AES-1112-15CP	12VDC & 24VDC	10A~50A	In Line	Copper Plated Iron(S) + Nickel Plated Iron(L)
AES-1112-15CS	12VDC & 24VDC	10A~50A	In Line	Copper Plated Iron(S) + Nickel Plated Iron(L)



AES-1112-15A



AES-1112-15AS



AES-1112-15AX



AES-1112-15B



AES-1112-15BM



AES-1112-15C



AES-1112-15CA



AES-1112-15CP



AES-1112-15CS

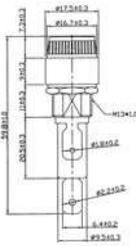




Fuse and Fuse Blocks/ Holders ~ In Line Fuse Holder for Glass Tube Fuses



AES-R3-14C



AES-1613-01A



AES-1613-05

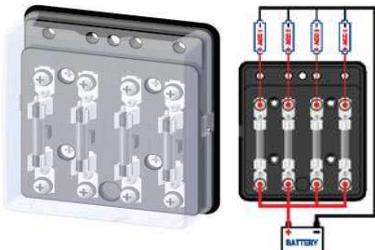


AES-1613-05A

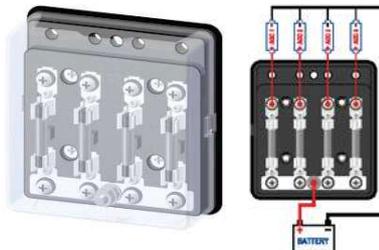
10GA Rated to 40A	12GA Rated to 30A	14GA Rated to 20A	16GA Rated to 15A	18GA Rated to 10A	Applicable Fuse	Material
AES-1613-01A-10	AES-1613-01A-12	AES-1613-01A-14	AES-1613-01A-16	AES-1613-01A-18	ø 6.35*30mm ø 6.35*32mm	Bakelite
-	AES-1613-05-12	AES-1613-05-14	AES-1613-05-16	AES-1613-05-18	ø 6.35*32mm	PVC
-	-	AES-1613-05A-14	AES-1613-05A-16	AES-1613-05A-18	ø 6.35*32mm	Nylon

Fuse and Fuse Block/ Holders ~ Glass Tube Fuse Blocks

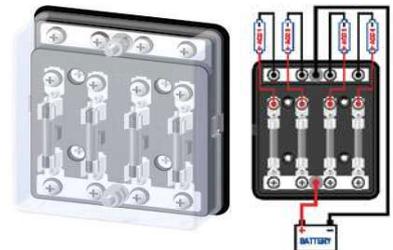
4 Fuses	6 Fuses	8 Fuses	Input Rating	Output Per Circuit	Input Terminals	Input Wire Size	Output Terminals	Output Wire Size	Positive Bus	Negative Bus	Applicable Fuse
AES-1613-11-04	AES-1613-11-06	AES-1613-11-08	100A Max 32V DC Max	30A 32V DC Max	M5 Screw	#4-6AWG	M4 Screw	#12-16AWG			ø 6.35*30mm ø 6.35*32mm
AES-1613-12-04	AES-1613-12-06	AES-1613-12-08			M5 Screw	#4-6AWG	M4 Screw	#12-16AWG	v		
AES-1613-13-04	AES-1613-13-06	AES-1613-13-08			M5 Screw	#4-6AWG	M4 Screw	#12-16AWG	v	v	



AES-1613-11-04



AES-1613-12-04



AES-1613-13-04

Fuse and Fuse Block/ Holders ~ ANL Fuses and ANL Fuse Blocks/ Holders

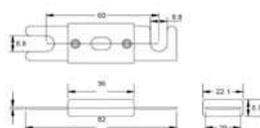
AES P/N#	ANL Fuse Type	V DC	Amps	Body Material	Fuse Holder			
AES-1610-01P	General ANL	12~32	35~300	Plastic	AES-1615-12	AES-1615-13 (For Fuse < 200A)	AES-1615-13A (For Fuse < 150A)	AES-1615-14K
AES-1610-01C	General ANL	12~32	35~500	Ceramic				
AES-1610-01M	Medium ANL	12~32	80~500	Plastic	AES-1615-15G (For Fuse < 150A)			
AES-1610-01MI	Mini ANL	12~32	30~200	Plastic	AES-1615-16			



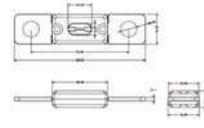
AES-1610-01P-150



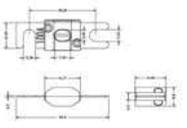
AES-1610-01C-200



AES-1610-01M-100 (-200/-500)



AES-1610-01MI-50



AES-1615-12



AES-1615-13



AES-1615-13A



AES-1615-14K



AES-1615-15G

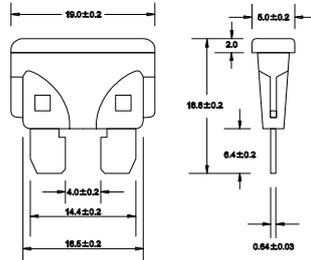


AES-1615-16

Fuses & Fuse Blocks/holders ~ Blade Type Fuse (Standard)



AES-1610-BF



Part Number	Ampere (A)	Voltage (VDC)	Body Color
AES-1610-BF-1	1 A	32 V	Black
AES-1610-BF-2	2 A	32 V	Gray
AES-1610-BF-3	3 A	32 V	Violet
AES-1610-BF-4	4 A	32 V	Pink
AES-1610-BF-5	5 A	32 V	Tan
AES-1610-BF-7.5	7.5 A	32 V	Brown
AES-1610-BF-10	10 A	32 V	Red
AES-1610-BF-15	15 A	32 V	Blue
AES-1610-BF-20	20 A	32 V	Yellow
AES-1610-BF-25	25 A	32 V	Natural
AES-1610-BF-30	30 A	32 V	Green
AES-1610-BF-35	35 A	32 V	Purple
AES-1610-BF-40	40 A	32 V	Orange

Fuses & Fuse Blocks/holders ~ In Line Fuse Holders



AES-1611-01



AES-1611-02



AES-1611-03



AES-1611-05



AES-1611-L01 (LED)



AES-1611-L02 (LED)

6GA Rated to 60A	10GA Rated to 40A	12GA Rated to 30A	14GA Rated to 20A	16GA Rated to 15A	18GA Rated to 10A	20GA Rated to 5A
-	AES-1611-01-10	AES-1611-01-12	AES-1611-01-14	AES-1611-01-16	AES-1611-01-18	-
-	AES-1611-02-10	AES-1611-02-12	AES-1611-02-14	AES-1611-02-16	AES-1611-02-18	AES-1611-02-20
-	AES-1611-03-10	AES-1611-03-12	AES-1611-03-14	AES-1611-03-16	AES-1611-03-18	-
-	AES-1611-05-10	AES-1611-05-12	AES-1611-05-14	AES-1611-05-16	AES-1611-05-18	-
-	-	AES-1611-L01-12	AES-1611-L01-14	AES-1611-L01-16	AES-1611-L01-18	-
AES-1611-L02-06	-	-	-	-	-	-

LED Type, Meet IP66

LED Type, Meet IP66

Fuses & Fuse Blocks/holders ~ Fuse Blocks

4 Fuses	6 Fuses	8 Fuses	10 Fuses	12 Fuses	Input	Output Per Circuit	Input Terminals	Input Wire Size	Output Terminals	Output Wire Size	LED Type	With Grounded
AES-1615-01-04	AES-1615-01-06		AES-1615-01-10		100A Max	30A	#10-32	#4-6 AWG	Blades	#12-16 AWG		Pad
AES-1615-02-04	AES-1615-02-06		AES-1615-02-10		100A Max	30A	#10-32	#4-6 AWG	Blades	#12-16 AWG		
	AES-1615-02-06S	AES-1615-02-08S	AES-1615-02-10S	AES-1615-02-12S	100A Max	30A	M5	#4-6 AWG	Screws	#12-16 AWG	v	
	AES-1615-02-06P	AES-1615-02-08P	AES-1615-02-10P	AES-1615-02-12P	100A Max	30A	M5	#4-6 AWG	Blades	#12-16 AWG	v	
	AES-1615-05-06N	AES-1615-05-08N	AES-1615-05-10N	AES-1615-05-12N	100A Max	25A	#10-32	#2-4 AWG	Blades	#12-16 AWG	v	
	AES-1615-05A-06	AES-1615-05A-08	AES-1615-05A-10	AES-1615-05A-12	100A Max	25A	#10-32	#2-4 AWG	Blades	#12-16 AWG		v
	AES-1615-06-06N	AES-1615-06-08N	AES-1615-06-10N	AES-1615-06-12N	100A Max	25A	#10-32	#2-4 AWG	Blades	#12-16 AWG		v
	AES-1615-06-06	AES-1615-06-08	AES-1615-06-10	AES-1615-06-12	100A Max	25A	#10-32	#2-4 AWG	Blades	#12-16 AWG		v
AES-1615-07-04	AES-1615-07-06	AES-1615-07-08	AES-1615-07-10		90A Max	15A	-	-	Blades	#12-16 AWG		v
	AES-1615-09-06S			AES-1615-09-12S	100A Max	30A	M5	#4-6 AWG	Screws	#12-16 AWG		v
For 2 Battery Use:												
AES-1615-092-04S	AES-1615-092-06S	AES-1615-092-08S		AES-1615-10-12S	100A Max	30A	Main:M5 Single:M4	#4-6 AWG	Screws	#12-16 AWG		v
	AES-1615-10-06S			AES-1615-13A-12S	100A Max	30A	#10-32	#4-6 AWG	Screws	#12-16 AWG	v	v
	AES-1615-13A-06S			AES-1615-13B-12S	75A Max	20A	M6	#4-6 AWG	M4	#12-16 AWG		
	AES-1615-13B-06S			AES-1615-14A-12		20A	M4		M4	#12-16 AWG		
	AES-1615-14A-06			AES-1615-14B-12	100A Max	20A	M5	#4-6 AWG	Blades	#12-16 AWG	v	
	AES-1615-14B-06				50A Max	20A	1015/12 AWG		Blades	#12-16 AWG	v	

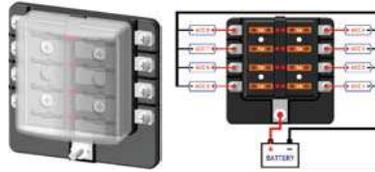




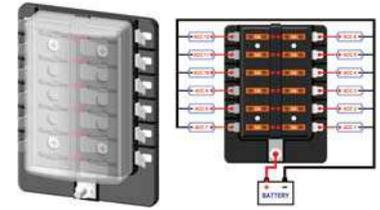
AES-1615-01-10



AES-1615-02-04



AES-1615-02-08S



AES-1615-02-12P



AES-1615-05-06N



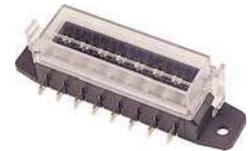
AES-1615-05A-06



AES-1615-06-06N



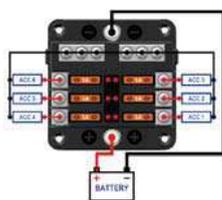
AES-1615-06-06



AES-1615-07-08



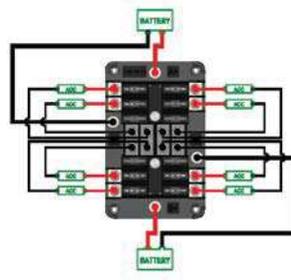
AES-1615-09-06S



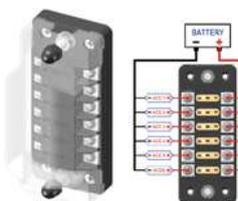
AES-1615-092-045



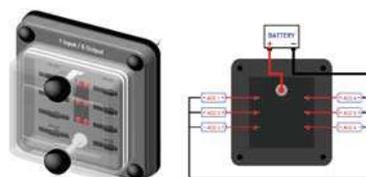
AES-1615-10-12S



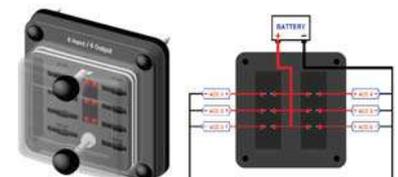
AES-1615-13A-06S



AES-1615-13B-06S



AES-1615-14A-06

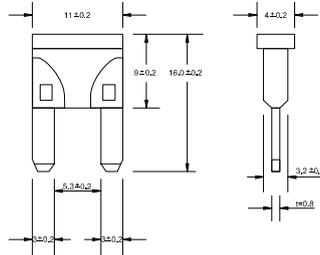


AES-1615-14B-06

Fuse and Fuse Blocks/holders ~ Mini Blade Fuse



AES-1610-MIBF



Part Number	Ampere (A)	Voltage (VDC)	Body Color
AES-1610-MIBF-2	2 A	32 V	Lt.Gray
AES-1610-MIBF-3	3 A	32 V	Violet
AES-1610-MIBF-4	4 A	32 V	Pink
AES-1610-MIBF-5	5 A	32 V	Tan
AES-1610-MIBF-7.5	7.5 A	32 V	Brown
AES-1610-MIBF-10	10 A	32 V	Red
AES-1610-MIBF-15	15 A	32 V	Blue
AES-1610-MIBF-20	20 A	32 V	Yellow
AES-1610-MIBF-25	25 A	32 V	Clear
AES-1610-MIBF-30	30 A	32 V	Green
AES-1610-MIBF-35	35 A	32 V	Purple

Fuse and Fuse Blocks/holders ~ In Line Fuse Holders (Mini Type)



AES-1612-01



AES-1612-02



AES-1612-03



AES-1612-L01
LED



AES-1612-L02
LED

12GA Rated to 30A	14GA Rated to 20A	16GA Rated to 15A	18GA Rated to 10A	20GA Rated to 5A
AES-1612-01-12	AES-1612-01-14	AES-1612-01-16	AES-1612-01-18	
AES-1612-02-12	AES-1612-02-14	AES-1612-02-16	AES-1612-02-18	AES-1612-02-20
AES-1612-03-12	AES-1612-03-14	AES-1612-03-16	AES-1612-03-18	AES-1612-03-20
AES-1612-L01-12	AES-1612-L01-14	AES-1612-L01-16	AES-1612-L01-18	
AES-1612-L02-12	AES-1612-L02-14	AES-1612-L02-16	AES-1612-L02-18	AES-1612-L02-24

LED Type, Meet IP66
LED Type

Fuses & Fuse Blocks/holders ~ Fuse Blocks for Mini Type

4 Fuses	6 Fuses	8 Fuses	10 Fuses	Input	Output Per Circuit	Input Terminals	Input Wire Size	Output Terminals	Output Wire Size
AES-1615-03-04	AES-1615-03-06	-	AES-1615-03-10	100A Max	30A	#10-32	#4-6AWG	Blades	#12-16AWG
AES-1615-04-04	AES-1615-04-06	-	AES-1615-04-10	100A Max	30A	#10-32	#4-6AWG	Blades	#12-16AWG
AES-1615-08-04	AES-1615-08-06	AES-1615-08-08	AES-1615-08-10	90A Max	15A	-	-	Blades	#12-16AWG

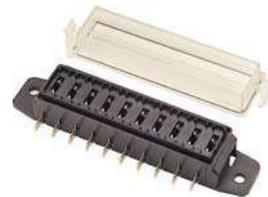
With LED



AES-1615-03-10



AES-1615-04-04



AES-1615-08-10

Fuses & Fuse Blocks/holders ~ In Line Fuse Holder for MAXI Type



AES-1612-05
(Red Base available)

10GA Rated to 40A	6GA Rated to 80A	8GA Rated to 60A
AES-1612-05-10	AES-1612-05-06	AES-1612-05-08





Battery Terminals



AES-1616-01



AES-1616-02



AES-1616-03



AES-1616-04



AES-1616-05



AES-1616-06



AES-1616-101



AES-1616-101L

Terminal Studs

Stud Size	Single Stud	Single Stud + Plate	Dual Stud	Dual Stud + Link	Dual Stud + Isolated Plate	Remark
M10	AES-1616-15-1M10				AES-1615-15-2M10IP	1 pair: Red + Black (2PCS)
M6	AES-1616-15-1M6		AES-1615-15-2M6	AES-1615-2M6L	AES-1615-15-2M8IP	
M8	AES-1616-15-1M8		AES-1615-15-2M8	AES-1615-2M8L	AES-1615-15-2M68IP	
M8 + M10					AES-1615-15-2M68IP	With Cover, 1 PC (Black) only With additional Red Screw Cover (Red Base Available)
M6	AES-1616-151-1M6	AES-1616-151-1M6IP	AES-1616-151-2M6		AES-1616-151-2M6IP	
M8	AES-1616-151-1M8	AES-1616-151-1M8IP	AES-1616-151-2M8		AES-1616-151-2M8IP	

AES-1616-15



AES-1616-151



Battery Terminal Jumps

Terminal Jumps are 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.

Brings 6-36VDC Power through Bulkheads or Firewalls.
 Rated current 250Amps.
 1 17/64" dia., 5/8" long.
 3/8" - 16 Thread Brass Studs Terminal, 5/8" long.

With Rubber Caps.
 Solid Brass Stud, Rated Current 250Amps
 Dimension for Grooved Contact Post: 13/16" dia., 1-1/8" long.

AES-1616-21B

Black Housing - Negative Terminal



AES-1616-21R

Red Housing - Positive Terminal



AES-1616-22B

Black Cap - Negative Terminal



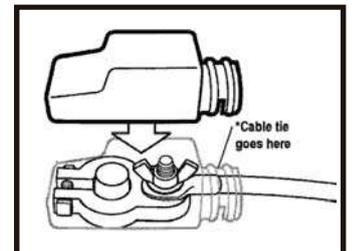
AES-1616-22R

Red Cap - Positive Terminal



PA165-161621R

Protect battery terminal connections from accidental shorts
 Suitable for top-mount, dual-post marine batteries



AES-1616-23

Hella HM7546J
 Heavy duty high capacity Jump-Start Connectors for vehicles and equipment.
 Ideal for use where access to terminals is restricted or dangerous.
 Eliminates chance of cross polarity connections through the specially shaped plug.
 Reduces chance of sparking and possible ignition of flammable materials.



PA165-161623

Hella HM7546C
 Remote Jump Start Terminal Cap





Busbars



AES P/N#	Rating	Stud	Screw	Cover AES P/N#
AES-1616-11	48VDC 100Amps	3/16"-24 * 2pcs (SS304)	#8-32 * 5pcs (SS304)	AES-1616-11-BC AES-1616-11RC-B/R AES-1616-11-C1T/B/R
AES-1616-11-10A	48VDC 150Amps	1/4"-20 * 2pcs (SS304)	#8-32 * 10pcs (SS304)	AES-1616-11-BCL
AES-1616-11-10B	48VDC 150Amps	1/4"-20 * 2pcs (Brass)	#8-32 * 10pcs (Brass)	AES-1616-11-C1LT/B/R
AES-1616-11-M14	48VDC 250Amps	5/16"-18 * 2pcs (SS304)	#10*24 * 6pcs (SS304)	AES-1616-11-BCH
AES-1616-11-4A	48VDC 600Amps	3/8"-16*4 (SS304)	#8-32* (SS304)	AES-1616-11-BCHL
AES-1616-11-6A	48VDC 250Amps	5/16"-18*6 (SS304)	-	



2P	4P	6P	12P	V DC	Amps	Studs	Screws	Low
		AES-1616-13-6C	AES-1616-13-12C	48	150A	M6 *2	M4	1
		AES-1616-13D-6C	AES-1616-13D-12C	48	150A	M6 *2	M4	2
AES-1616-14-2C	AES-1616-14-4C			48	150A	M6 *2	M6	1
AES-1616-14D-2C	AES-1616-14D-4C			48	150A	M6 *2	M6	2
		AES-1616-17-6C	AES-1616-17-12C	48	150A	M6 *2	M4	1
		AES-1616-17D-6C	AES-1616-17D-12C	48	150A	M6 *2	M4	2
AES-1616-18-2C	AES-1616-18-4C			48	150A	M6 *2	M6	1
AES-1616-18D-2C	AES-1616-18D-4C			48	150A	M6 *2	M6	2
AES-1616-1902-150	AES-1616-1904-150		AES-1616-1912-150	48	150A	M8 *2	M8	1
AES-1616-1902-300	AES-1616-1904-300		AES-1616-1912-300	48	300A	M8 *2	M8	1
AES-1616-1902-450	AES-1616-1904-450		AES-1616-1912-450	48	450A	M8 *2	M5	1

Tarp/Dump System Items

AES-1117-21

Plunger Switch w/Packard Connector



AES-1113-34A-1

Body Up Switch
Mechanical Stoplight Switch
Made for Truck Equipment Dump Bodies

Replaces: DR-1997901, 1997915, 1997922
Pollak # 52-602



AES-1113-36

Dump Body Up Indicator Switch
12VDC 2Amps
ON-ON
Pre-Wired Body-Up Indicator mounts to the back frame of your vehicle to notify you when the dump body is raised, reducing the chance of an overhead collision with a raised dump body. Water resistant indicator, 360° activation and an adjustable wand that springs back into place if hit.



AES-1113-42

Dump Body-Up Indicator
12-24VDC 5Amps
Dump Body-Up Indicator mounts to the back frame of your vehicle to notify you when the dump body is raised, increasing alertness while working. It is designed to reduce the chance of overhead collisions with raised dump bodies.



AES-1122-6

Dump Body-Up Indicator Buzzer Light
12VDC 0.2Amps
Buzzer Light, Red Lens, for use with Body-Up Indicator Kits, for PTO Engagement Signaling



AES-1411-19A

Rotary Switch High Performance Rotary Switch
Convenient Momentary On-Off-On Control
Four Screw Terminals
Easily Unwind Your Electric Tarp System On Your Dump Body Or Trailer
Aluminum Plate With Wind And Unwind Directions available.



Refer to Page 14 for Motor Reversing Solenoids





AES-1117-21S1

Dump Body-Up Indicator Kit

Including:

- Plunger Switch w/Packard Connector AES-1117-21 with Bracket
- Body-Up Switch Stop set
- Indicator Light AES-1117-27R
- Harness Set
- And Accessory



AES-1117-21S2

Dump Body-Up Indicator Kit

Including:

- Plunger Switch w/Packard Connector AES-1117-21 with Bracket
- Body-Up Switch Stop set
- Warning Buzzer AES-1122-6
- Harness Set
- And Accessory

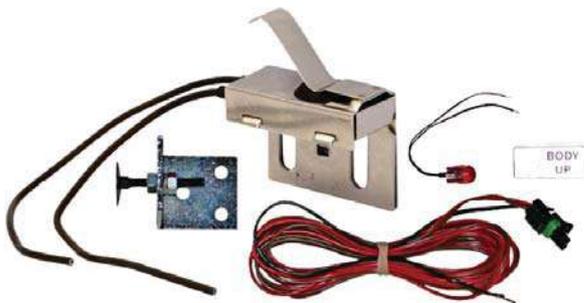


AES-1113-42S

Dump Body-Up Indicator Kit

Including:

- Body-Up Switch Stop set
- Body-Up Indicator AES-1113-42
- Indicator Light AES-1117-27R
- Harness Set
- And Accessory



AES-1411-19AS

Rotary Switch Set

Including:

- Bracket Set with
50Amps Momentary Rotary Switch AES-1411-19A
Indicator Light AES-1117-28W-A
40Amps Circuit Breaker AES-ZE700-40A-S
- 50Amps AES-1112-15B-50 Circuit Breaker
- And Accessory

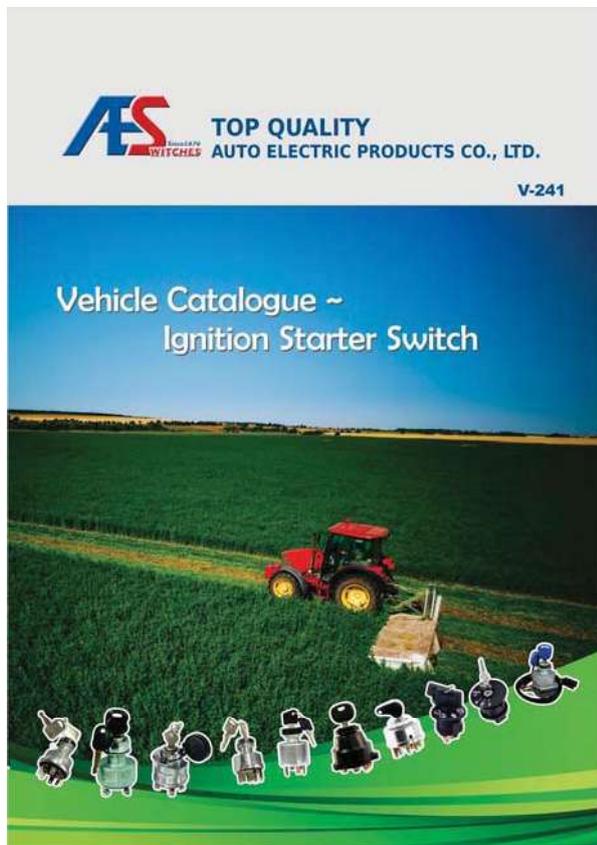


Refer to Page 14 for Motor Reversing Solenoids



Contact AES for other product ranges and Marine items catalogues, includes:

- Ignition Starter Switches
 - Rotary Switches
 - Headlight Switches
 - Dimmer Switches
 - Wiper Switches
 - Neutral Ball Switches
 - Rocker Switches & Toggle Switches
- and Marine items.





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