BSA AC output Series



Single Phase AC Solid State Relays

SSR 10 - 120Amp

- Input 4 to 32VDC or 90 to 250VAC
- Flip-type bolt protection makes maintenance easier.
- LED input status indicator
- AC/DC control optional
- Certifications: CE, RoHS

Industry applications:

It is widely used in automation fields such as lighting control, heating control, office appliances, and fire protection systems. It is suitable for extreme and harsh environments such as chemical, coal mining, and ceramic industries that require explosion-proof, dust-proof, and corrosion-proof features.

Output parameters	10A	15A	20A	25A	30A	40A	60A
Rated load voltage	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC
Rated load current	10A	15A	20A	25A	30A	40A	60A
Transient peak withstand voltage	24:600VAC 44:900VAC	24:600VAC 44:900VAC	24:600VAC 44:900VAC	24:600VAC 44:900VAC	24:600VAC 44:900VAC	24:600VAC 44:900VAC	24:600VAC 44:900VAC
Off-state leakage current	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA
On-state pressure drop	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA
On-off time	≤10ms	≤10ms	≤10ms	≤10ms	≤10ms	≤10ms	≤10ms

Output parameters	80A	100A	120A
Rated load voltage	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC	24:24~240VAC 44:40~440VAC
Rated load current	80A	100A	120A
Transient peak withstand voltage	24:600VAC 44:900VAC	24:600VAC 44:900VAC	24:600VAC 44:900VAC
Off-state leakage current	AC ≤10mA	AC ≤10mA	AC ≤10mA
On-state pressure drop	AC ≤10mA	AC ≤10mA	AC ≤10mA
On-off time	≤10ms	≤10ms	≤10ms

Input parameters

Input voltage range	DC 3~32VDC	AC 90~250VAC
Reverse voltage	DC 32VDC	/
Input current range	DC 6~25mA	AC 5~30mA
Ensure the voltage is on.	DC 3VDC	AC 90VAC
Ensure shutdown voltage	DC 1.5VDC	AC 10VAC

Other parameters

Medium pressure resistance	≥2500VAC
Insulation resistance	500MΩ 500VDC
Safety regulations for casing materials	UL94-V0
Substrate material	aluminum
working temperature	-30℃~80℃
storage temperature	-30℃~125℃
Maximum working humidity	85% No condensation
Installation method	No condensation
weight	90~105g

Important Notes:

(A) All parameters are for 25°C unless otherwise specified.
(B) A heatsink must be installed for loads above 10A.
(C) Fan cooling or water cooling is required for temperatures above 80°C.

For more information, please contact your reseller.

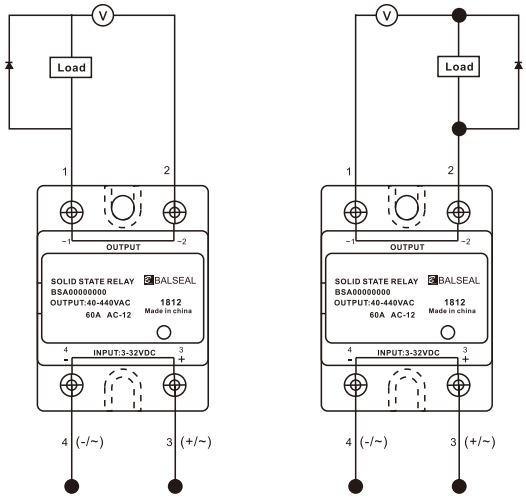
Model listing

Valid product listings

BSA	40	44	D	032	Z
Series code	Rated load current	Rated load voltage	Input signal type	input voltage	Trigger mode
	10: 10A 15: 15A 20: 20A 25: 25A 30: 30A 40: 40A 60: 60A 80: 80A 100: 100A 120: 120A	24:24—240VAC 44:40—440VAC	D:DC A:AC	032: 3-32VDC 250: 90-250VAC	Z: N conduction Default:none

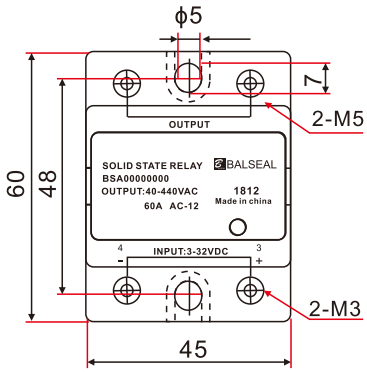
Wiring diagram

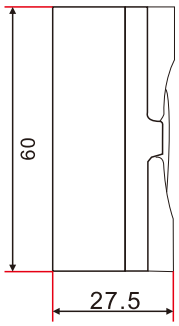
BSA AC output Series



Mechanical dimensions

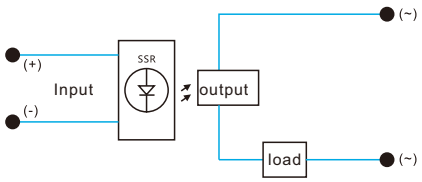
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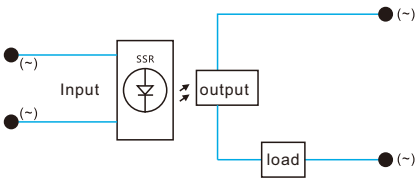


Wiring diagram

BSA AC output Series



DC controlled AC



AC controlled AC