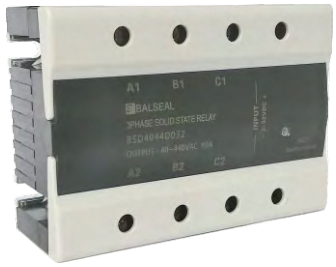
BSD AC output Series



3PH AC solid-state relay

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 ≤1.5VAC	AC ≤1.5VAC	AC ≤1.5VAC	AC ≤1.5VAC	AC ≤1.5VAC	AC ≤1.5VAC	AC ≤1.5VAC
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 ≤1.5VAC	AC ≤1.5VAC	AC ≤1.5VAC
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

BSD	40	44	D	032	Z
Series code	Rated load current	Rated load voltage	Input signal type	input voltage	Trigger mode

Rated load current
10: 10A
15: 15A
20: 20A
25: 25A
30: 30A
40: 40A
60: 60A
80: 80A
100: 100A
120: 120A

Rated load voltage
44:40—440VAC

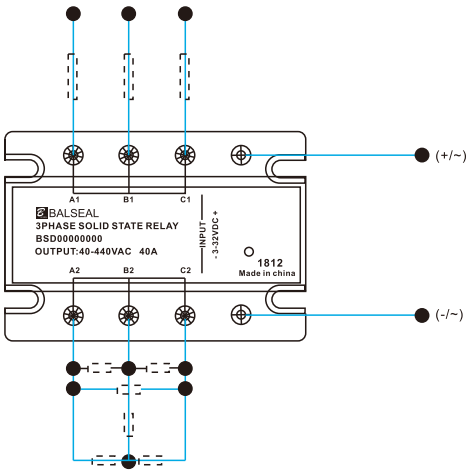
Input signal type
D:DC
A:AC

input voltage
032: 3-32VDC
250: 90-250VAC

Trigger mode
Z: N conduction
Default:none

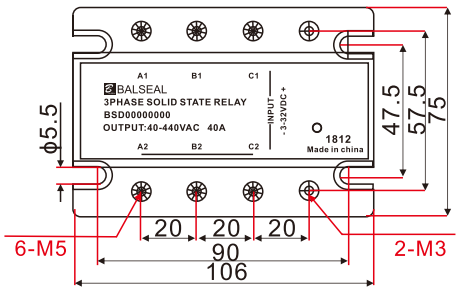
Wiring diagram

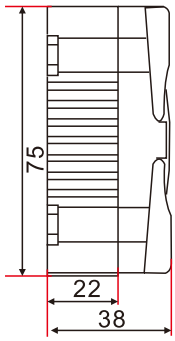
BSD AC output Series



Mechanical dimensions

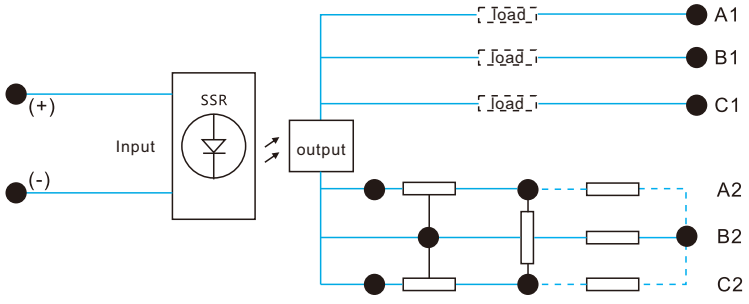
BSD AC output Series





Wiring diagram

BSD AC output Series



DC controlled AC