BALSEAL

BSS single-phase AC fuse-type solid-state relay with fuse

Model listing

Valid product listings

BSS	10	44	D	032	F
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
24:24—440VAC
44:40—440VAC

Input signal type
D:DC
A:AC

input voltage
032: 3-32VDC
250: 70-250VAC

Trigger mode
F:fuse type



The main application

Output parameters	10A	15A	20A	25A	30A	40A
Rated load voltage	24:24~280VAC 44:40~480VAC	24:24~280VAC 44:40~480VAC	24:24~280VAC 44:40~480VAC	24:24~280VAC 44:40~480VAC	24:24~280VAC 44:40~480VAC	24:24~280VAC 44:40~480VAC
Rated load current	10A	15A	20A	25A	30A	40A
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
Off-state leakage current	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA
On-state pressure drop	AC ≤1.5V	AC ≤1.5V	AC ≤1.5V	AC ≤1.5V	AC ≤1.5V	AC ≤1.5V
On-off time	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA	AC ≤10mA
Input voltage range	DC 3-32VDC	DC 3-32VDC	DC 3-32VDC	DC 3-32VDC	DC 3-32VDC	DC 3-32VDC
Control current	DC 4-25mA	DC 4-25mA	DC 4-25mA	DC 4-25mA	DC 4-25mA	DC 4-25mA
Power-off time	≤10ms	≤10ms	≤10ms	≤10ms	≤10ms	≤10ms

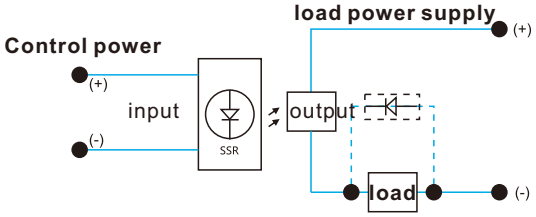
Input parameters

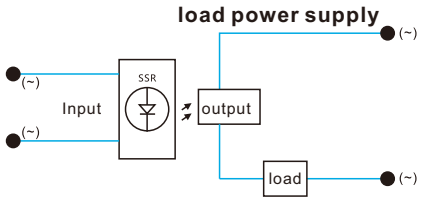
Input voltage range	DC 3~32VDC	AC 90~250VAC
Reverse voltage	DC 32VDC	/
Input current range	DC 6~25mA	AC 5~30mA
Ensure the voltage is on.	DC 3VDC	AC 90VAC
Ensure shutdown voltage	DC 1.5VDC	AC 10VAC

Other parameters

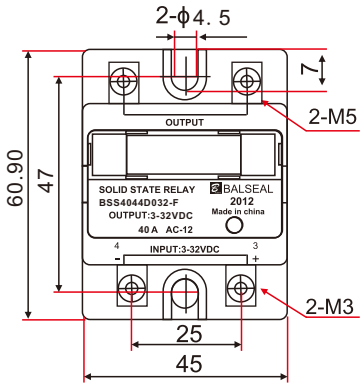
Medium pressure resistance	⩾2500VAC
Insulation resistance	500MΩ 500VDC
Safety regulations for casing materials	UL94-V0
Substrate material	aluminum
working temperature	-30℃~80℃
storage temperature	-30℃~125℃
Maximum working humidity	85% No condensation
Installation method	No condensation
weight	90~105g

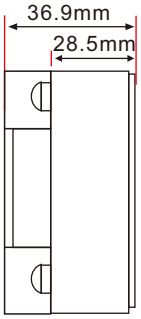
Line diagram BSS AC fuse-type output Series





Appearance size BSS AC fuse-type output Series





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.