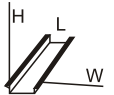


## SOLID STATE RELAY MODULES - DC INPUT & DC/AC OUTPUT (COMPACT MODULE)

### Features

- Available in 8/16/32 Channels
- Input Voltage 3-32V DC
- Output Voltage 60V DC
- Rated Current 5A
- Freewheeling Diode for protection
- Jumpers are provided for Selection between positive/negative looping
- LED indication to denote relay actuation
- Available with pluggable relays, directly soldered on request.
- Mountable on Universal DIN Rail



### TECHNICAL INFORMATION

#### GENERAL DATA

Number of Channels	8/16/32 channels other than specified available on request.
Positive/Negative looping	By using jumper caps, remove all jumper caps to make relay independent
Input indication	3 mm green LED for input status
Relay protection	Free wheeling diode 1N4007 for polarity protection
Relay Socket	Paramount or equivalent
Ambient operating temperature	0°C to 50°C
Housing material	PVC/V0 Grade, Phoenix Contact or equivalent
Housing color	Green
Conformal coating	Insulate, protect and seal electronic parts, available on request
RoHS compliant	All the components used including PCBs are RoHS approved

#### RELAY INPUT DATA

Control Voltage Range	3-32V DC
Control Current Range	1-20 mA
Pick-up Voltage	3V DC
Drop-out Voltage	1.0V DC

#### RELAY DATA

Relay make	Agility or equivalent
Contact type	DC
Relay approvals	CE

#### CONNECTION DATA

Input (Coil) Side	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Output (Contact Side)	PCB Terminals Screw (Nominal current: 22A, Rated voltage: 250V, Type of connection: Screw connection)
Cross section of permissible wire	Solid Min/Max: 0.2/4.0 mm <sup>2</sup> Stranded Min/Max: 0.2 / 2.5 mm <sup>2</sup>
Make	Phoenix Contact or equivalent

#### RELAY OUTPUT DATA

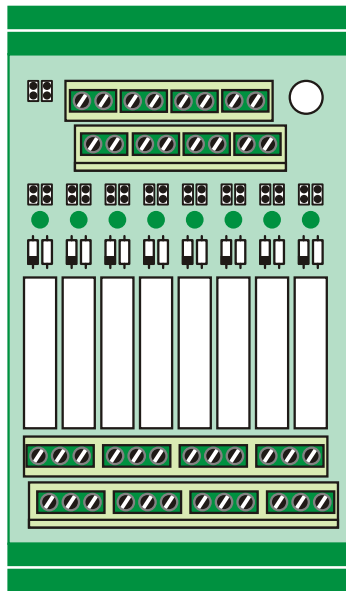
Load Current	5A
Load Voltage	60 VDC
Surge Current (Non-Rep)	50A
On state Voltage Drop	1.6 VDC
Off state leakage Current @ rated Voltage	100 µA
Thermal Resistance	1.3 °C/W
Turn-On	760 µs
Turn-Off	850 µs

**ORDERING INFORMATION**

**Pluggable SSR module with Input Indication having DC Output**

Article Nos.	Descriptions	Dimension LxWxH (mm)
11100613	AE-S-08-024D-024D-B-C (SL-108)	70 x 126 x 66
11100614	AE-S-16-024D-024D-B-C (SL-108)	132 x 126 x 66
11100615	AE-S-32-024D-024D-B-C (SL-108)	194 x 126 x 66

**Layout Diagram of AE-S-08-024D-024D-B-C (SL-108)**



**Connection Diagram of AE-S-08-024D-024D-B-C (SL-108)**

