

## Data sheet

Commercial Art.No.: 34.243.0050.0

Relay module FLARE-C1D2-24DC-SPDT-250V6A

flare relay, output, 1 change-over contact, width 6.2 mm, screw clamp terminal, input data: 24 V DC / 7.1mA, output: 250 V AC/ 6 A, LED indicator




## Installation



**WARNING:** Danger to life by electric shock. Do not perform work when voltage is present.

This device is installed onto 35mm DIN rails according to EN 60715. Connect wires by plugging them directly into the screw terminals. Then, using a 2.5mm slotted screwdriver, torque each screw to 0.4Nm.

## Regulatory compliance notices

	This marking indicates that the product has been tested and meets the certification requirements of the US and Canada.
	<b>WARNING – EXPLOSION HAZARD. DO NOT CONNECT OR DISCONNECT WHILE THE CIRCUIT IS LIVE UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS. AVERTISSEMENT – RISQUE D'EXPLOSION. NE PAS CONNECTER OU DÉCONNECTER PENDANT QUE LE CIRCUIT EST VIVANT À MOINS QUE LA ZONE SOIT EXEMPT DE CONCENTRATIONS IGNITIBLES.</b>
	The device shall be installed in an IP54 or higher rated enclosure according to requirements of C22.2 No. 60079-0, UL 60079-0 and C22.2 No. 60079-7, UL 60079-7

## Technical data

### General

Connection type	screw terminals
Number of change-over contacts	1
Detachable clamps	No
Degree of protection (IP)	IP20
Operating temperature	-40° C to +60° C
Housing material	Polycarbonate
Housing Color	Black
LED Indicator	Yes (green)
Screw terminal torque	0.4 Nm

### Coil data

Nominal input voltage	24 V DC
Nominal input current	7.1 mA
Minimum/ Maximum input voltage	22.8 V DC to 25.2 V DC
Rated coil power	170 mW

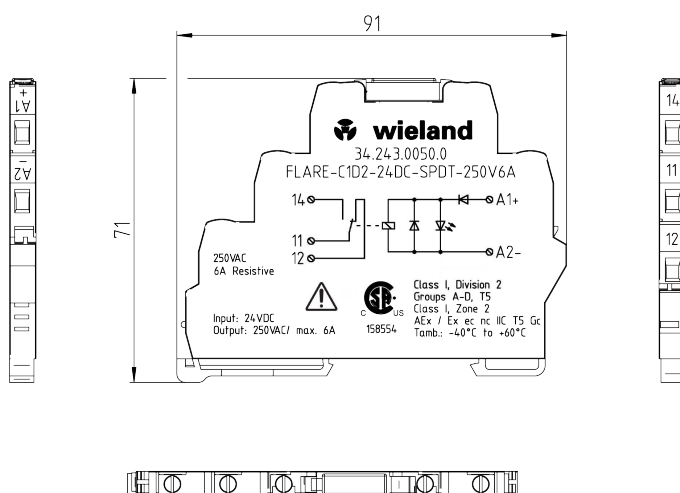
### Switching contact data

Contact material	AgSnO <sub>2</sub>
Typical response time	12 ms
Typical release time	5 ms
Maximum switching voltage	250 V AC
Continuous Current	6 A
Minimum switching current	100 mA at 5 V DC
Switching Power	1500 VA
Maximum switching frequency with/without load	0.1Hz / 0.3Hz
Mechanical endurance	5x10 <sup>6</sup>
Initial dielectric strength between open contacts between contact and coil	1000 Vrms 1500 Vrms
Conductor cross section (solid)	24 AWG to 12 AWG (0.25 mm <sup>2</sup> to 4.0 mm <sup>2</sup> )
Conductor cross section (stranded)	22 AWG to 14 AWG (0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> )

### Notes

1. For Division 2 installations the equipment must be installed in a suitable enclosure.
2. For Zone 2 installations the equipment shall be installed in an enclosure having an ingress protection rating of IP54 or greater according to requirements of C22.2 No. 60079-0, UL 60079-0 and C22.2 No. 60079-7, UL 60079-7

### Dimensional Diagram



### Wiring Diagram

