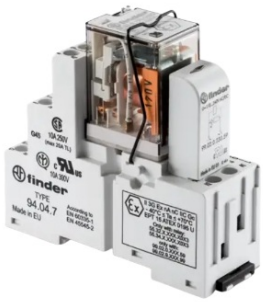
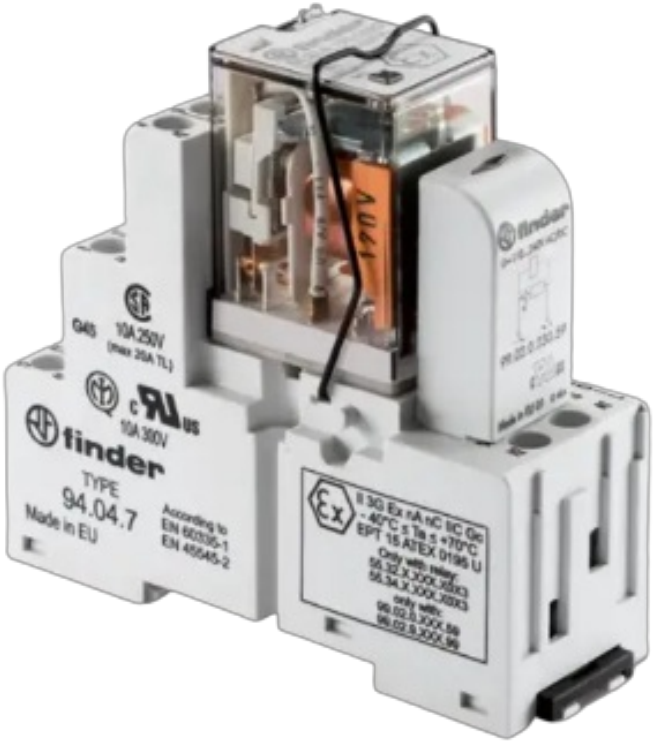


finder 58 Series ATEX Relay Interface Module Instruction Manual

finder 58 Series ATEX Relay Interface Module Instruction Manual



Contents

1 RELAY INTERFACE MODULE – SAFETY INSTRUCTIONS
2 INSTALLATION
3 TECHNICAL CHARACTERISTICS
4 SPECIAL CONDITION FOR SAFE USE
5 MAINTENANCE AND REPAIR
6 Documents / Resources
6.1 References
7 Related Posts

RELAY INTERFACE MODULE – SAFETY INSTRUCTIONS

GENERAL SAFETY INFORMATION

These safety instructions refer to the installation, utilization and maintenance of 58 series relays to be used in potentially explosive areas due to the presence of combustible GAS.

The information of these instructions are only for qualified personnel. The relays and the sockets comply with the Essential Health and Safety Requirements for potentially explosive atmospheres provided by European Standards:
EN 60079-0 (2012+A11:2013), EN 60079-15(2010), EN 60079-7(2015)

Interface Code	Socket Code	Relay Code	Modules	Retaining clip
58.32.V.XXX.W0JK	94.02.7	55.32.V.XXX.W0Y3	99.02.Z.XXX.QT	94.71
58.32.V.XXX.W0JK	94.04.7	55.32.V.XXX.W0Y3	99.02.Z.XXX.QT	94.71
58.33.V.XXX.W0JK	94.03.7	55.33.V.XXX.W0Y3	99.02.Z.XXX.QT	94.71
58.34.V.XXX.W0JK	94.04.7	55.34.V.XXX.W0Y3	99.02.Z.XXX.QT	94.71
58.32.V.XXX.W00K	94.02.7	55.32.V.XXX.W0Y3	94.71	
58.32.V.XXX.W00K	94.04.7	55.32.V.XXX.W0Y3	94.71	
58.33.V.XXX.W00K	94.03.7	55.33.V.XXX.W0Y3		94.71
58.34.V.XXX.W00K	94.04.7	55.34.V.XXX.W0Y3	94.71	

J = 4, 5, 6 – K = 8, 9 – V = 8, 9 – Q = 5, 9 – Y = 0, 2 – Z = 0, 9 – T = 8, 9 Marker tags 060.72; xxx**= supply voltage

TRANSPORT, STORAGE

On receipt verify that the relay has not been damaged during transport. If damaged, do not install and immediately advise the transport service.

INSTALLATION

Installation must comply with the rules of the standard EN60079-14 or with the current national standards. Before the installation in an explosive atmosphere, the installer must ensure that the relay is suitable for the classified

area in consideration of the different inflammable substances present in the installation area (please verify the marking on the relay cover before installation). The relay must be installed only by qualified people with knowledge of electrical apparatus for explosive gas atmospheres and electrical installations in hazardous areas and has to be done with the relay and equipment at standstill, electrically dead and locked against restart.

MARKING

 II 3G Ex ec nC IIC Gc -40°C ≤Ta≤+70°C

41, Specific	marking of explosion protection
 II – Component for surface plant (different from mines)	
3 – Category 3: normal level of protection	
GAS	G – explosive atmosphere due to presence of combustible gas vapour or mist
	Ex ec – Increased safety
	Ex nC – Sealed device (type of protection for category 3G)
	IIC – Gas group
	Gc – Equipment Protection Level
-40°C Ta +70°C – Ambient temperature	
EPTI 17 ATEX 0195 UEPTI: laboratory which issued the certificate 17: year of issue of certificate0195: number of the certificate	
U: Ex component	

TECHNICAL CHARACTERISTICS

CONTACT CHARACTERISTICS

- Contact configurations: 2 CO (58.32) – 3 CO (58.33) – 4 CO (58.34)
- **Rated Current / maximum peak current:** 10 / 20 A (58.32) – 9 / 20 A (58.33) – 6 / 15 A (58.34)
- **Rated voltage / max switching voltage:** 250 / 400 V AC (58.32) – 250 / 400 V AC (58.33) – 250 / 250 V AC (58.34)
- Rated load-Category AC1: 2500 VA (58.32) – 2250 VA (58.33) – 1500 VA (58.34)
- **Rated load-Category AC15 (230 V AC):** 500 VA (58.32) – 500 VA (58.33) – 350 VA (58.34)
- **Capacity for single phase motor (230 V AC):** 0.37 kW (58.32) – 0.37 kW (58.33) – 0.125 kW (58.34)
- **Breaking capacity-Category DC1(30/110/220 V):** 10 / 0.25 / 0.12 A (58.32) 9 / 0.25 / 0.12 A (58.33) 6 / 0.25 / 0.12 A (58.34)

CHARACTERISTICS OF COIL

- **Rated Voltage* (UN):**
  12…230 V AC
  12…230 V DC
- **Rated power AC/DC** : 1.5/1 VA (50 Hz)/W

- **Operating range:**
  (0.8…1.1)UN AC
  (0.8…1.1)UN DC
- **Ambient temperature :** (–40…+70)°C

*** Special rated voltages on request**
The supply voltage depends on the characteristics of the timer

SPECIAL CONDITION FOR SAFE USE

Maximum temperature recorded on the surface of the component (obtained suppling the coil at the nominal voltage, Tamb 70°C) not exceed 111°C with the value of rated current as described at the point 5. The wire connected to the terminals of the socket, must be at least 2.5 mm².
On multi-installation, the value of the nominal current is reduced depending on the model of the interface. A pack connection of 5 interface, power supply = rated voltage,
T.amb = 70°C:

INTERFACE	MAX PEAK CURRENT [A] (for pack)
58.32….JK	7
58.33….JK	6
58.34….JK	5

The component must be inserted in an enclosure that meets the general requirements for enclosures listed in paragraph 4.10 of EN 60079-7. Connections must be carried out according to the requirements in paragraph 4.2.2 of EN 60079-7.

MAINTENANCE AND REPAIR

The user must not open, modify or repair this relay in any way.

FINDER Spa con unico socio
10040 – Almese (TO) – ITALY
Tel. +39 011 9346211
www.findernet.com/it/ticket/add
www.findernet.com

Documents / Resources

	finder 58 Series ATEX Relay Interface Module [pdf] Instruction Manual 58.32.V.XXX.W0JK, 58.33.V.XXX.W0JK, 58.34.V.XXX.W0JK, 58 Series ATEX Relay Interface Module, 58 Series, ATEX Relay Interface Module, Relay Interface Module, Interface Module, Module

References

- User Manual