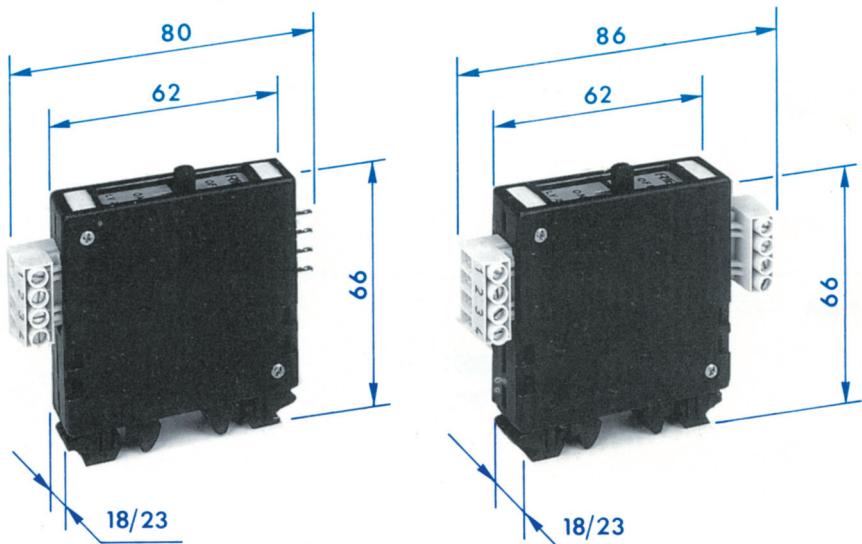


INTERFACE TERMINALS WITH DRY-REED RELAYS SERIES LV28



in accordance with
STANDARDISATION ENEL LV28

Overall dimensions



INTERFACE
TERMINALS
WITH
DRY-REED
RELAYS

"SERIES LV28"

General Features

The LV28 DRY-REED terminal, made in a polyamide self-extinguishing container, can be mounted, either on EN50022, (OMEGA) section or on EN50035, (DIN 1 (CEI 17.18) section in the three versions "a" - "b" - "c", (shown in Figure 1), with spacing of 18 mm and 23 mm.

In addition, the especially designed hook device of the terminal enables LV28 relays to be rotated 180° with respect to the position of the section.

The connection points of the coil end with removable IP20 terminals with screw tightening, with the capacity of 2.5 mmq, while the terminals of the Reed Relay contact can be welded, faston 2.8x0.5 mm, or with removable IP20 terminals with screw tightening, with the maximum capacity of 2.5 mmq.

The terminals are marked with 2 pre-cut plates 14 mm x 6 mm.

Technical features

- Auxiliary supply voltage :
version "a" - "b"
110 V dc - 20% ÷ +10%
version "c"
024 V dc - 20% ÷ +10%
- Ripple component:
≥12% p.p.

Climatic Operating Conditions

- Operating temperature:
-10°C ÷ +55°C.
- Atmospheric pressure:
70 ÷ 110 kPa.
- Relative humidity:
95%.
- Extreme temperature range with Reed Relay
not powered:
-25°C ÷ +70°C.

Voltage values of the insulation tests

- Test voltage at i.f. for one minute to earth and
between distinct circuits:
2 KV.
- Test voltage at i.f. for one minute on open contact:
700 V.
- Test voltage impulse 1,2/50µs - 0,5J to earth and
between distinct circuits:
5 KV cr.
- Test voltage impulse 1,2/50µs - 0,5J
on open contact:
1 KV cr.

Reed Relay Features

- One contact open with relay non-excited.
- Contact closing time:
2 ms.
- Contact nominal current:
version "a"
1A.
version "b" - "c"
0,5A.
- Contact manoeuvre power with L/R=20ms
for 100,000 manoeuvres:
version "a"
300 mA
version "b" - "c"
100 mA
- Operating time:
continuous
- Mechanical duration:
≥ 5.000.000 manoeuvres

Switching device features

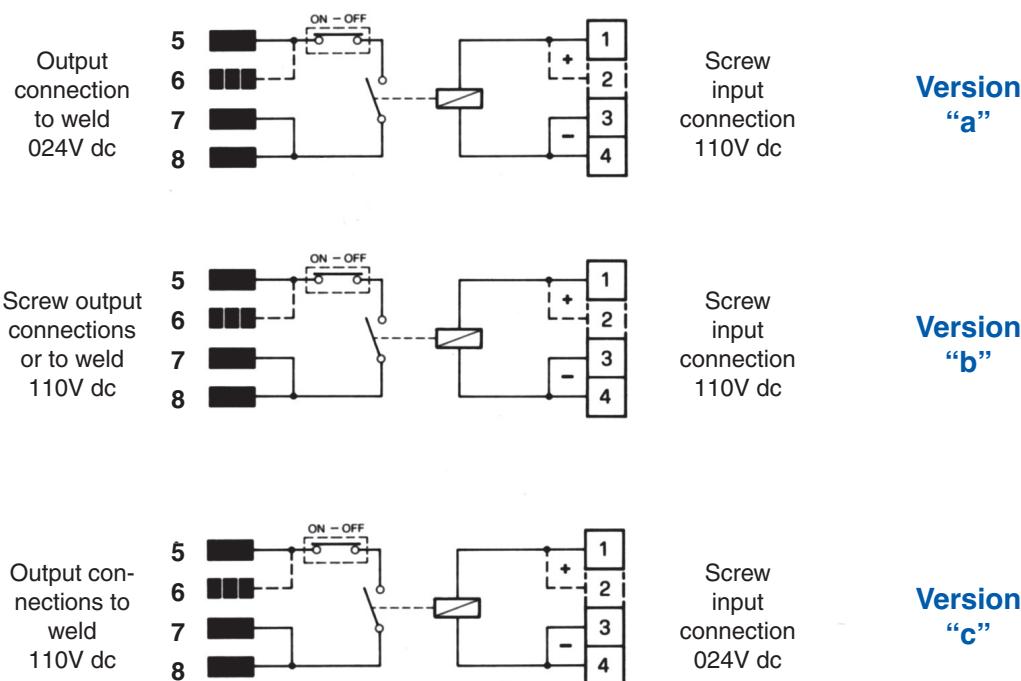
- Contact in silver alloy
- Interruption capacity:
2A 250V AC or 4A 125V AC
- Duration:
20,000 manoeuvres at 2 A 250V AC
- Initial contact resistance:
10 Mohm.
- Dielectric rigidity:
1000 V eff. On open contact
2000 V eff. 50Hz between contact and earth
- Mechanical manoeuvre strength:
0,1 ÷ 0,5 Kg. f.
- Use temperature:
-40°C ÷ +85°C.

Options

- Auxiliary power supply:
048V c.c. -20% ÷ +10%.
220V c.c. -20% ÷ +10%.
- Led for visualization of the state of excitation
of the relay coil.

Wiring diagram

(Fig. 1)



**COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =**

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