Supply unit 'single'

For 2-wire transmitterr

Snap-on mounting

Supply voltage 24 V ± 3 V

Short circuit- and overheating protection

Compact

PROFILE

This power supply can energize a two-wire transmitter.

Energization of transmitters in hazardous areas and (built-in) square root extraction is not possible.

DESCRIPTION

The power supply is fitted inside a single width snap-on housing. The primary AC voltage is transformed down, rectified and smoothed. Protection of the output circuit abainst short circuit and overheating is provided.

TECHNICAL DATA

OUTPUT

Transmitter supply: 24 V DC ± 3 VDC
Ripple: ≤ 0,25 V_{rms}

Load

$$R_{Load} = \frac{24[V] - U_S}{0{,}02[A]}[\Omega]$$

U_S = minimum transmitter supply voltage
R_{load} = including lead resistance

Output current: ≤ 22 mA
Short circuit current: ≤ 22 mA

MAINS SUPPLY

Alternating voltage: 230 VAC
Tolerance: +6 -15 %
Frequency: 48...60 Hz

ENVIRONMENTAL CONDITIONS

Temperature limits

Operation: -10... + 50 °C
Storage: -35... + 85 °C

Relative humidity

≤ 90 %, no condensation

Vibrations

0,7g at 10 to 100 Hz (Lloyds Register Test 1)

ELECTROMAGNETIC COMPATIBILITYIT

Meets EN 50 081-1 and EN 50 082-2 for use in rural and industrial areas.
CE labelled

ELECTRICAL SAFETY

Meets Low Voltage Directive EG 73/23.
CE labelled
Isolation voltage between mains- and supply circuit: 3,75 kVAC

GENERAL

Protection type: Housing IP30
Terminals IP10

Electrical connections

Screw terminals

Weight: 0,12 kg

Mounting: 35 mm standard rail to DIN 46 277

Mounting position: not critical

ORDERING DATA

Description	Order-no.:
Transmitter supply unit, 'single'	
230 VAC	**9404-202-08231**

Fig.1 Dimensions (mm)

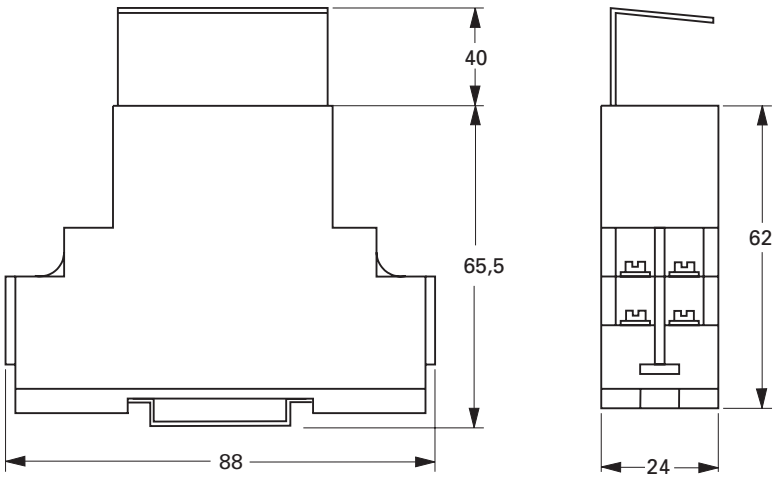


Fig. 2 Information and connections

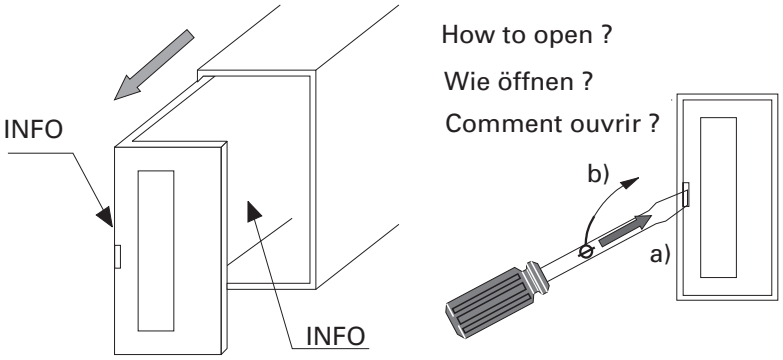
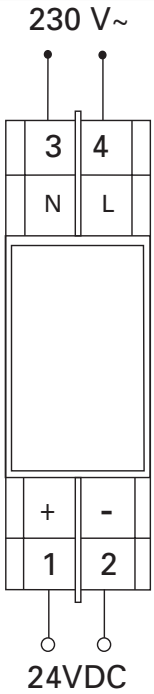


Fig.3 Electrical connection



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