

Data sheet

S0/M-F 4

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P/N

11055670

EAN 4251394620916

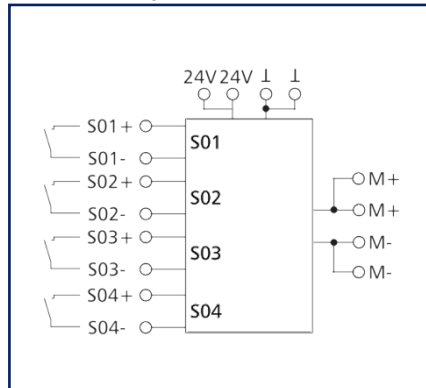
2025/12/22

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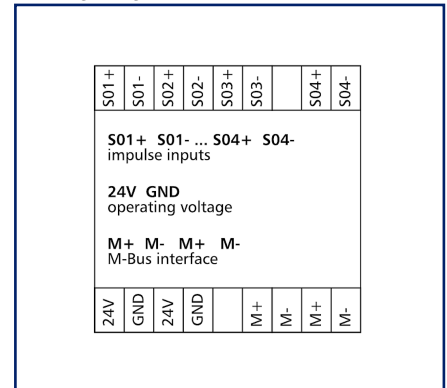
Illustrations



Principle diagram



Wiring diagram



See enlarged drawings at the end of document

Product specification

4-channel impulse counter for counting impulses that are generated by energy counters via reed contacts or passive transistor outputs (open collectors) in proportion to the energy measured. Impulses of any potential-free contacts can be recorded for counting, for example, events up to a frequency of 15 Hz. The impulses generated by the energy counters are recorded by means of a standardized current interface to DIN EN 62053-31 class A. The 4-channel impulse counter occupies a clear M-Bus address specified by the manufacturer. Suitable for decentralized mounting on DIN TH35 rail according to IEC 60715 in electrical distribution cabinets.

- Connection with spring clamp terminal blocks (push-in)

Technical Data

| M-Bus protocol | |
|---|--|
| Protocol | M-Bus |
| Bus interface | two-wire bus |
| Transmission rate | 300 Bit/s (Bd) 2400 Bit/s (Bd) 9600 Bit/s (Bd) |
| Transmission rate default setting | 2400 Bit/s (Bd) |
| Supply | |
| Operating voltage | 24 V DC +/- 10 % (SELV) |
| Power consumption | |
| Power consumption (max.) | 50 mA |
| Inputs | |
| S0 inputs acc. to DIN EN 62053-31 Class A | 4 |
| Housing | |
| Dimensions | |
| Dimension (W x H x D) | 50 mm x 69.3 mm x 60 mm |
| Dimension (W x H x D) | 1.969 in. x 2.728 in. x 2.362 in. |
| Weight | 70 g |
| Mounting style | Standard rail TH35 |
| Mounting position | any |
| Apposition | without distance |
| Connection type | Spring clamp terminal blocks |
| Indicator | green LED |
| Terminal blocks | |
| Module connection | |
| Wire cross section solid | 0.2 mm ² - 2.5 mm ² / AWG 24-14 |
| Wire cross section multi | 0.25 mm ² - 2.5 mm ² / AWG 24-12 |
| Wire cross section with wire ferrule | 0.25 mm ² - 1.5 mm ² / AWG 24-16 |
| Stripping length (min.) | 8 mm |

Technical Data

Material

| | |
|---------------------------|-----------------|
| Material - Housing | Polyamid 6.6 V0 |
| Color | gray |
| Material - Terminal block | Polyamid 6.6 V0 |
| Material - Covers | Polycarbonat |

Protection category according to IEC 60529

| | |
|---|------|
| Protection category - housing (acc. to IEC 60529) | IP40 |
| Protection category - terminal blocks (acc. to IEC 60529) | IP20 |

Climatic Data

Operating

| | |
|----------------------------|--------------------------|
| Temperature - Operating °C | -10 °C - 50 °C |
| Temperature - Operating °F | 14 °F - 122 °F |
| Relative humidity | max. 85 % non-condensing |

Storage

| | |
|--------------------------|----------------|
| Temperature - Storage °C | -20 °C - 70 °C |
| Temperature - Storage °F | -4 °F - 158 °F |

Classifications

| | |
|-----------|----------|
| ETIM 7.0 | EC001102 |
| ETIM 8.0 | EC001102 |
| ETIM 9.0 | EC001102 |
| ETIM 10.0 | EC001102 |

Software and additional documents

| | |
|----------------------------|--|
| Software and documentation | Further documentation is available for free download at www.metz-connect.com |
|----------------------------|--|

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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Accessories

| P/N | Designation |
|----------|----------------------------|
| 11056170 | Power supply NG4-F 24 V DC |



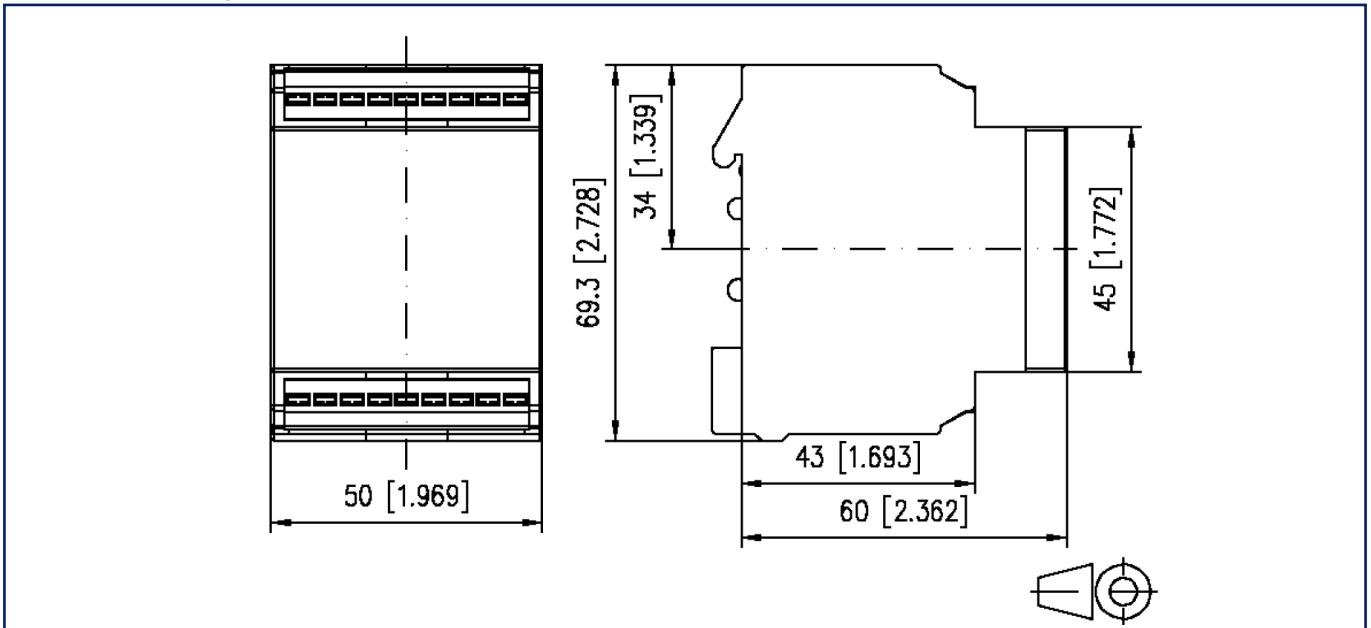
Accessories from

| P/N | Designation |
|--------|--|
| 110930 | EWIO ₂ -M M-Bus |
| 110931 | EWIO ₂ -MW M-Bus / WLAN |
| 110934 | EWIO ₂ -MW-BM M-Bus / WLAN / BACnet / Modbus |
| 110935 | EWIO ₂ -M-BM M-Bus / BACnet / Modbus |

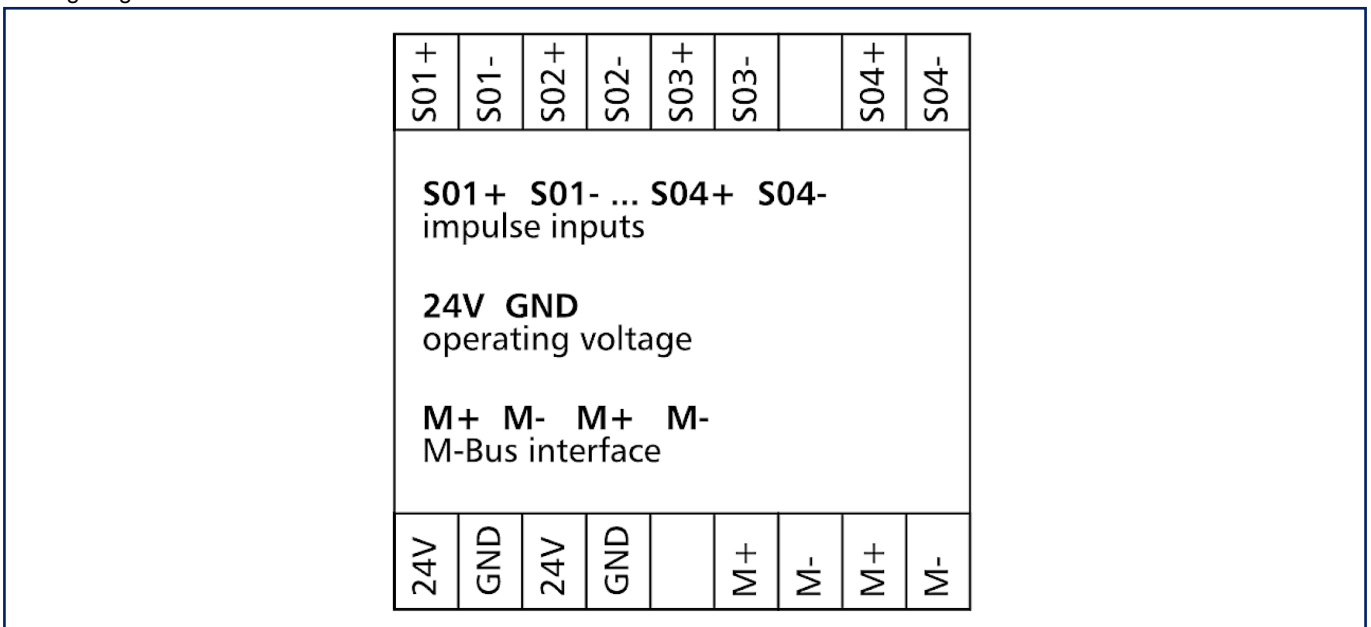


Illustrations

Dimensional drawing



Wiring diagram



Illustrations

Principle diagram

