

Data sheet

S0/M 4

Page 1/6

P/N

110556

EAN 4250184122432

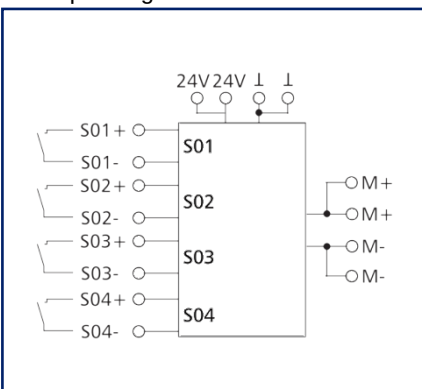
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Version: K

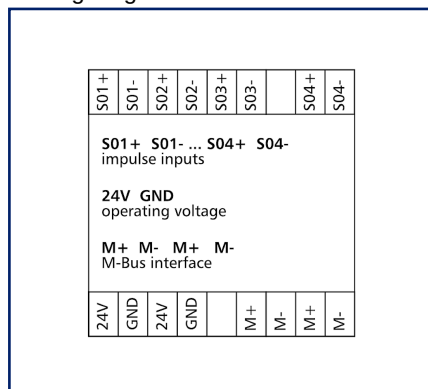
Illustrations



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 screw type terminal blocks

Data sheet

S0/M 4

Page 2/6

P/N
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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
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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	Screw type terminal blocks
Indicator	green LED

Terminal blocks

Module connection	
Wire cross section solid	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section multi	0.25 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section with wire ferrule	0.25 mm ² - 2.5 mm ² / AWG 22-12
Screw torque (max.)	0.5 Nm
Stripping length (min.)	8 mm

Data sheet

S0/M 4

Page 3/6

P/N
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EAN 4250184122432
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Version: K

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
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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.



Data sheet
S0/M 4

Page 4/6

P/N
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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

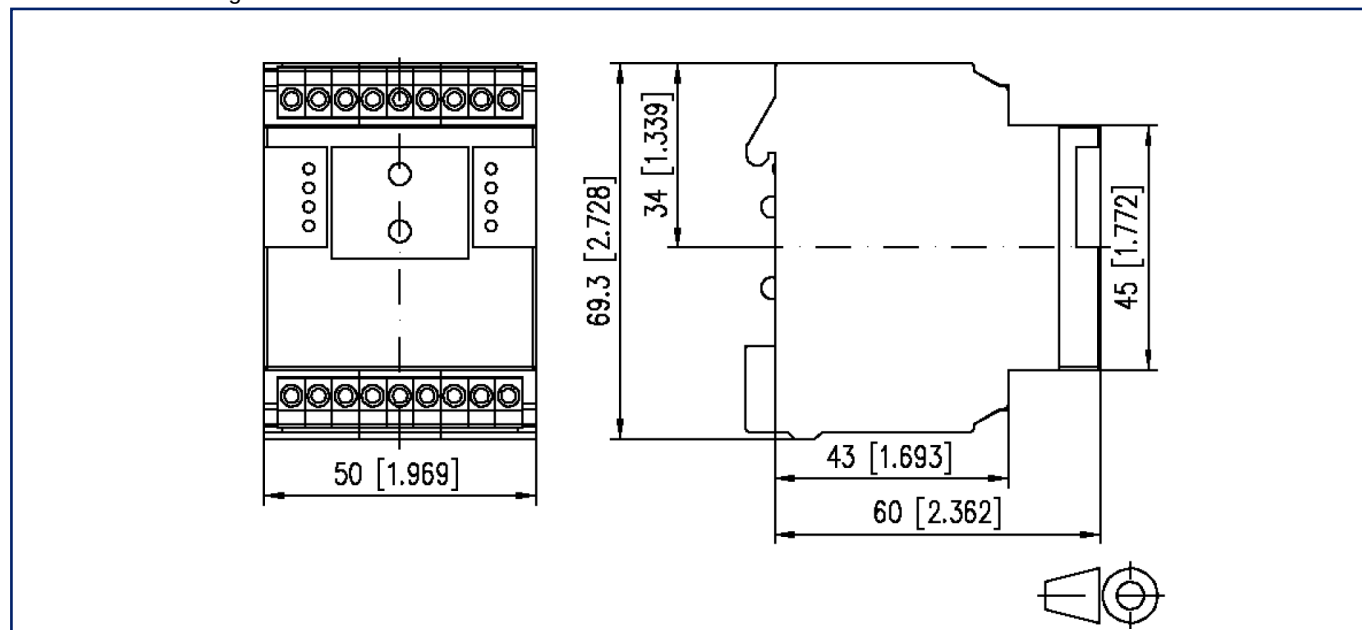
Data sheet S0/M 4

Page 5/6

P/N
110556
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Illustrations

Dimensional drawing



Wiring diagram

S01+	S01-	S02+	S02-	S03+	S03-		S04+	S04-
S01+ S01- ... S04+ S04- impulse inputs 24V GND operating voltage M+ M- M+ M- M-Bus interface								
24V	GND	24V	GND		M+	M-	M+	M-

Illustrations

Principle diagram

