Digital display - FA MCR-FDS-I-I-OLP - 2908782

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Output loop-powered process indicator with HART communication in field housing

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 357096
GTIN	4055626357096

Technical data

Dimensions

Width	131 mm
Height	81.5 mm
Depth	55.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Maximum altitude	< 5000 m (Above sea level)
Degree of protection	IP66/IP67
	NEMA 4X

Input data

Description of the input	Current measuring input
Current input signal	4 mA ... 20 mA
Max. input current	200 mA
Description of the input	HART
Current input signal	up to 4x HART signals

Output data

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Technical data

Output data

Output name	Current output
Current output signal	4 mA ... 20 mA

Power supply

Supply voltage range	loop-powered, no external supply necessary

Connection data

Connection method	Pluggable spring-cage terminal blocks
Stripping length	9 mm
Conductor cross section solid	0.14 mm² ... 1.5 mm²
Conductor cross section flexible	0.14 mm² ... 1.5 mm²
Conductor cross section AWG	26 ... 16

General

Maximum transmission error	0.1 % (of final value)
Maximum temperature coefficient	< 0.02 %/K
Noise emission	IEC 61326, class B
Housing material	Aluminum
Mounting position	Max. viewing angle range +/- 45° from the centre line of the display in every direction

Standards and Regulations

Noise emission	IEC 61326, class B
Conformance	CE-compliant
UL, USA/Canada	UL 61010 Listed
DNV GL-Temperature	B
DNV GL-Humidity	B
DNV GL-Vibration	A
DNV GL-EMC	B
DNV GL-Enclosure	Required protection according to the Rules shall be provided upon installation on board

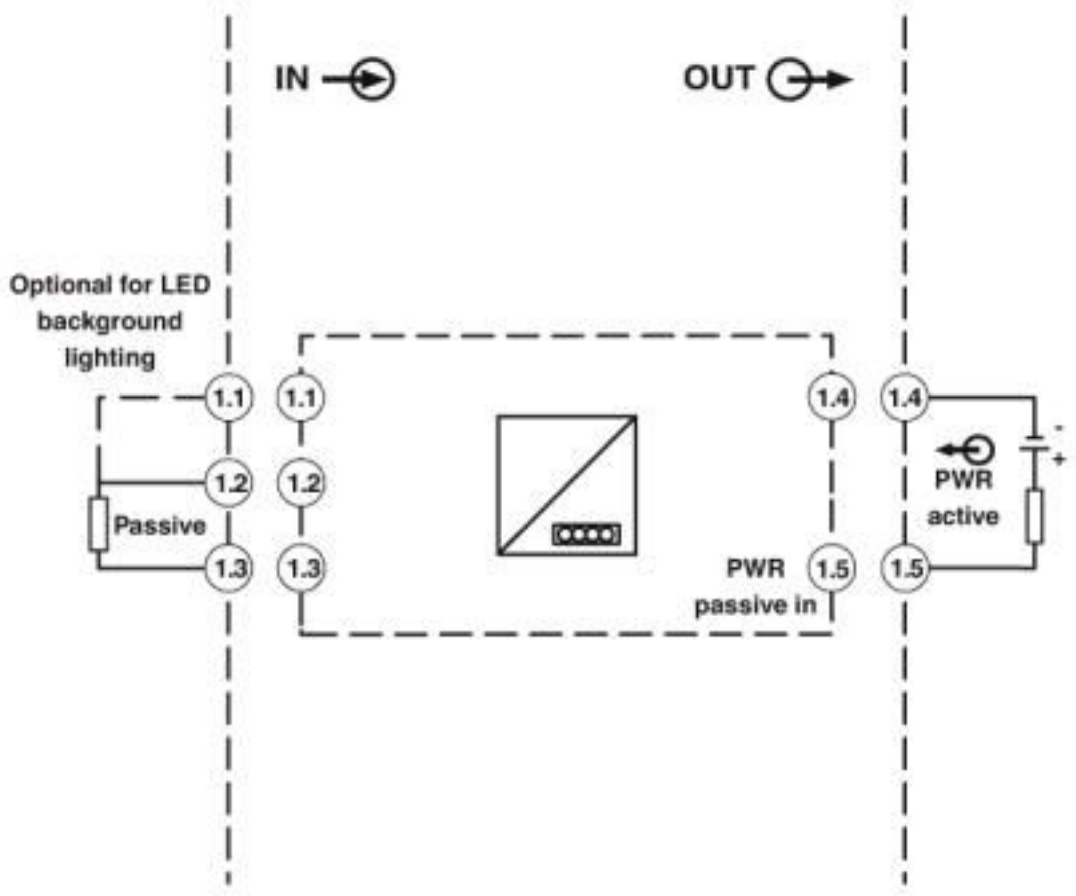
Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

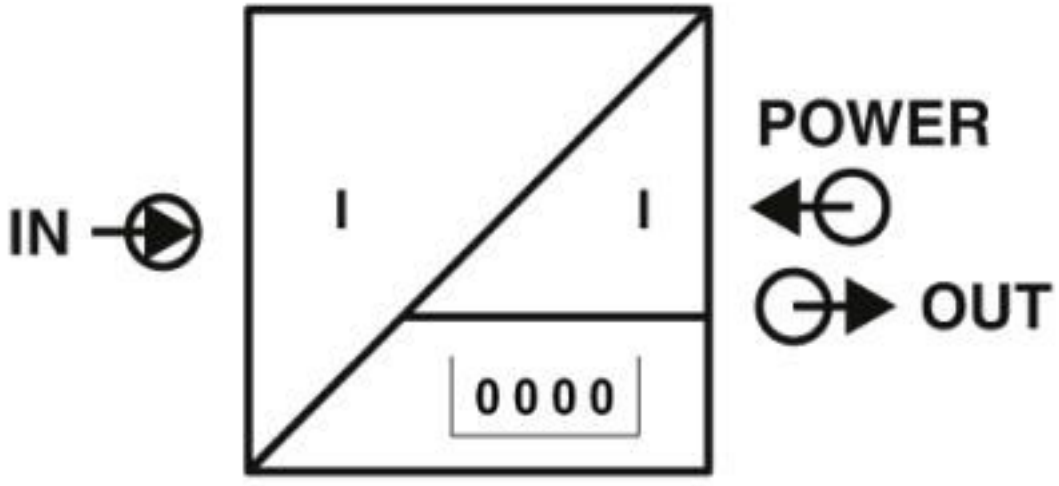
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Block diagram



FA MCR-FDS-I-I-OLP

Pictogram



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Classifications

eCl@ss

eCl@ss 10.0.1	27210301
eCl@ss 4.0	27210300
eCl@ss 4.1	27210300
eCl@ss 5.0	27210300
eCl@ss 5.1	27210300
eCl@ss 6.0	27210300
eCl@ss 7.0	27210301
eCl@ss 8.0	27210301
eCl@ss 9.0	27210301

ETIM

ETIM 2.0	EC001426
ETIM 3.0	EC001426
ETIM 4.0	EC001426
ETIM 5.0	EC001426
ETIM 6.0	EC001426
ETIM 7.0	EC001426

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

CSA / CSAus / FM approved / cCSAus

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330267

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330267

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Approvals

EAC		RU*DE.*08.B.01522/19

cULus Listed	

Accessories

Accessories

Mounting material

Mounting kit - FA MCR-FDS-PM - 2908783



Tube mounting set for output loop-powered process display in FA MCR(-EX)-FDS-I-I-OLP field housing.

Terminal resistor

Resistor - FA MCR-FDS-R250 - 2908802



HART® communication resistor, 250 Ω, in combination with digital display 2908781 FA MCR-DS-I-I-OLP, 2908782 FA MCR-FDS-I-I-OLP, 2908800 FA MCR-EX-DS-I-I-OLP or 2908801 FA MCR-EX-FDS-I-I-OLP

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