

MACX MCR-S-MUX-TB - HART transfer board



2308124

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The HART termination board is used to apply the signals from the HART-compatible signal converters or field devices and transmit them to the MACX MCR-S-MUX HART multiplexer.



Commercial data

Item number	2308124
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C402
Product key	CK11ZZ
Catalog page	Page 172 (C-5-2019)
GTIN	4046356579162
Weight per piece (including packing)	241.6 g
Weight per piece (excluding packing)	220.2 g
Customs tariff number	85437090
Country of origin	DE

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Technical data

Product properties

Product type	Multiplexer
Product family	MACX Analog
No. of channels	16

Electrical properties

Reverse polarity protection	yes
Supply	
Nominal supply voltage	24 V DC
Supply voltage range	19 V ... 31.2 V

Input data

Signal	
Description of the input	HART
Input signal	Current
Current input signal	4 mA ... 20 mA (HART)

Output data

Signal	
Output description	HART
Current output signal	4 mA ... 20 mA (HART)

Connection data

Supply	
Connection method	Screw terminal blocks
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm ² ... 1 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
	0.25 mm ² ... 2.5 mm ² (Ferrules without plastic sleeve)
	0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.2 mm ² ... 1.5 mm ²
	0.25 mm ² ... 0.5 mm ² (Ferrule without / with plastic sleeve)

Signal level	
Connection method	Screw terminal blocks
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.08 mm ² ... 0.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
	0.25 mm ² ... 0.5 mm ² (Ferrule without / with plastic sleeve)

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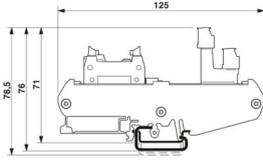
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Conductor cross section flexible (2 conductors with same cross section)	0.25 mm ² ... 1.5 mm ² (Ferrule without / with plastic sleeve)
	0.08 mm ² ... 0.75 mm ²
	0.25 mm ² ... 0.34 mm ² (Ferrules without plastic sleeve)

Ex data

Ex installation (EPL)	Gc
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Dimensions

Dimensional drawing	
Width	80 mm
Height	70 mm
Depth	125 mm

Material specifications

Flammability rating according to UL 94	V0
Housing material	Polyamide (PA 6.6)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Terminal blocks) IP00 (Housing)
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	≤ 95 % (non-condensing)

Approvals

ATEX

Identification	Ⓔ II 3 G Ex ec IIC T4 Gc
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IECEX

Identification	Ex ec IIC T4 Gc
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Safety Integrity Level (SIL, IEC 61508)

Identification	3
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EMC data

Electromagnetic compatibility	Tested in accordance with the following standards and regulations: EN 61326-1 For industrial use, NAMUR NE 21
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Mounting

Mounting type	DIN rail mounting/wall mounting
Mounting position	vertical, horizontal

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