

# Head-mounted transducer - FA MCR-HT-TS-I-OLP-PT - 2908742


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The output-loop-powered head transmitter transmits up to two sensor signals from RTD and TC sensors as well as from resistance-type sensors and voltage sensors and via HART\_communication or 4 ... 20 mA, configurable. SIL2/3



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 347783
GTIN	4055626347783
Weight per Piece (excluding packing)	180.000 g
Custom tariff number	85437090
Country of origin	Germany

## Technical data

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
	-40 °C ... 70 °C (SIL active)
Ambient temperature (storage/transport)	-50 °C ... 100 °C
Maximum altitude	≤ 4000 m (Above sea level)
Permissible humidity (operation)	5 % ... 95 % (condensation permitted)
Degree of protection	IP33 (upon installation in field housing IP66/67, NEMA 4X)

### Output data

Configurable/programmable	no
Current output signal	4 mA ... 20 mA (HART)
	20 mA ... 4 mA (HART)
Max. output current	23 mA

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### Technical data

#### Power supply

Supply voltage range	11 V ... 42 V (Standard)
	11 V ... 32 V (SIL active)

#### Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 16

#### General

Assembly instructions	Installation in connecting head B in accordance with DIN EN 50446
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#### Standards and Regulations

Pollution degree	2
Overvoltage category	II
Conformance	CE-compliant
ATEX	# II 3G Ex nA IIC T6...T4 Gc
UL, USA/Canada	UL 61010 Recognized
FM approval	NI / Class I / Div. 1, 2 / Group ABCD T6/T5/T4
CSA	NI, Class I, Div. 2, Groups A, B, C, D

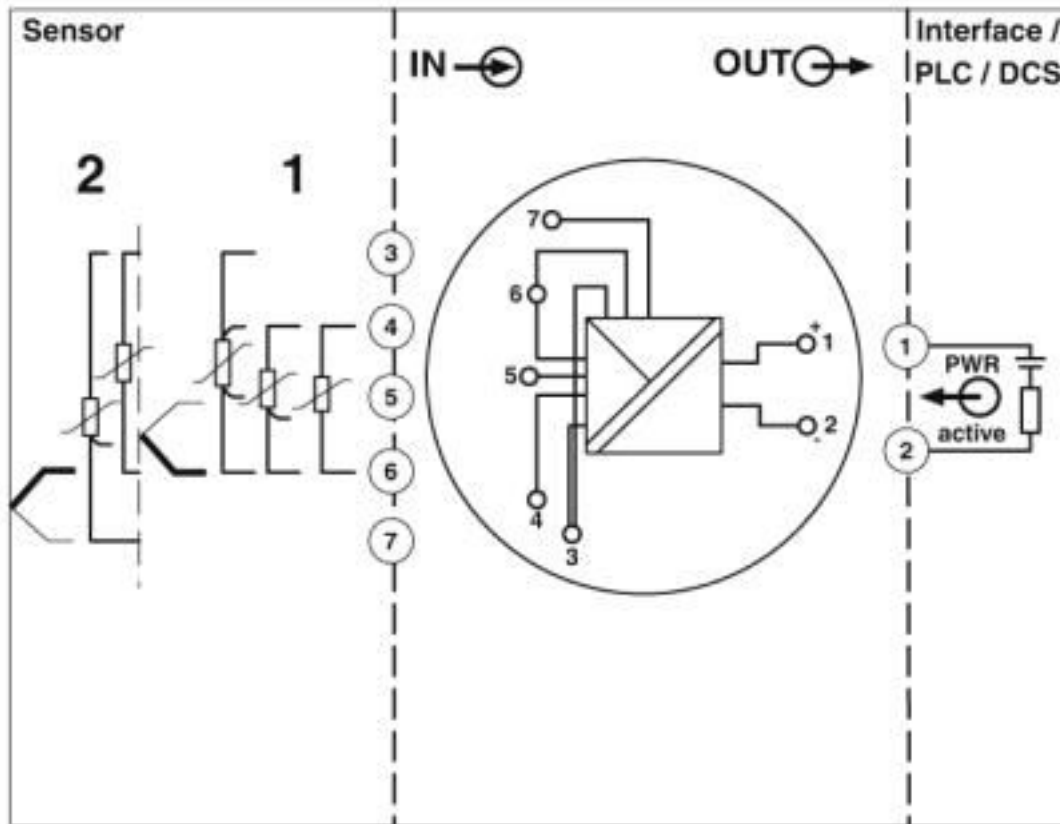
#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings

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Block diagram



Block diagram for FA MCR-HT-TS-I-OLP-PT

## Classifications

eCl@ss

eCl@ss 4.0	27200200
eCl@ss 4.1	27200200
eCl@ss 5.0	27200200
eCl@ss 5.1	27200200
eCl@ss 6.0	27200200
eCl@ss 7.0	27200206
eCl@ss 8.0	27200206
eCl@ss 9.0	27210129

ETIM

ETIM 2.0	EC001446
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## Classifications

### ETIM

ETIM 3.0	EC001446
ETIM 4.0	EC001446
ETIM 5.0	EC001446
ETIM 6.0	EC002919
ETIM 7.0	EC002919

## Accessories

### Accessories

#### Digital displays

Display - FA MCR-HT-D - 2908735



Display unit for plugging directly into the FA MCR-... head transmitter

## Housing

Electronic housing - FA MCR-HT-FH - 2908736



Field housing for the installation of head transmitters with or without display unit. For direct connection to the process.

## Mounting material

Mounting kit - FA MCR-HT-FH-WM - 2908737



Wall fastening for FA MCR-HT-FH field housing

## Mounting rail adapter

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### Accessories

Adapter - MCR-DIN-RAIL-ADAPTER HT - 2864671



DIN rail adapter for head-mounted transducers. Suitable for 35 mm DIN rails in accordance with EN 60715.

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### Programming adapter

Programming adapter - MCR-PAC-T-USB - 2309000



Programming adapter with USB and T port interface, 2.4 m for programming FA MCR-..., MCR-...-LP-..., and MCR-...-HT-... modules

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### Programming cable

Cable adapter - GW HART USB MODEM - 1003824



USB HART modem cable for communication between a PC and HART devices, cable length: 1m.