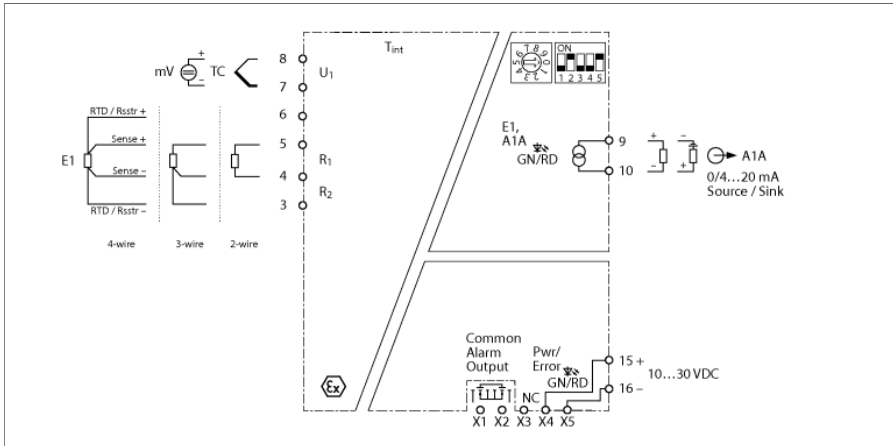


# Temperature measuring amplifier

## 1-channel

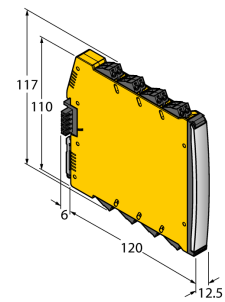
### IMX12-TI02-1TCURTDR-1I-PR/24VDC



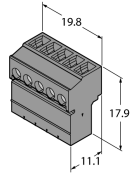
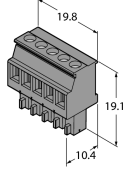
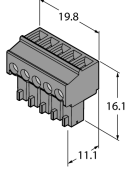
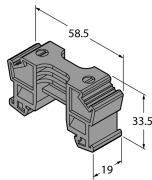
- Input for thermocouples, low voltages (-150...+150 mV), RTDs (2-, 3- and 4-wire) and 0...5 k $\Omega$  resistors (2-, 3- and 4-wire)
- Current output 0/4...20 mA either as source or sink
- Adjustable measuring range
- Configuration via rotary coding switches and DIP switches
- Wire-break monitoring of input and output circuits
- Complete galvanic isolation
- Input reverse-polarity protected
- Removable screw terminals
- Power bridge (connector incl. in delivery)
- ATEX, IECEx, INMETRO, TR CU, NEPSI
- Installation in zone 2
- SIL 2

## Dimensions

Type	IMX12-TI02-1TCURTD-1I-PR/24VDC
ID	7580500
<b>Mechanical data</b>	
Housing material	Polycarbonate/ABS
Electrical connection	Removable screw terminals, 2-pin
Ambient temperature	-25...+70 °C
Storage temperature	-40...+80°C
Protection class	IP20
<b>Approvals</b>	
	ATEX IECEX INMETRO TR CU NEPSI
Ignition protection category	[Ex ia Ga] IIC; [Ex ia Da] IIIC
Ex approval acc. to conformity certificate	TÜV 15 ATEX 168214 X



## Accessories

Type code	Ident no.		Dimension drawing
IMC 1.5/ 5-ST-3.81 BK	7580954	Power Bridge Connection Terminal	
MCVR 1.5/ 5-ST-3.81 BK	7580955	Power Bridge Connection Terminal	
MC 1.5/ 5-ST-3.81 BK	7580956	Power Bridge Connection Terminal	
E/ME TBUS NS35 BK	7580957	Power Bridge Connection Terminal	
IMX12-SC-2X-4BK	7580940	Screw terminals for IM(X)12 modules; included in delivery: 4 pcs. of 2-pin black terminals	
IMX12-SC-2X-4BU	7580941	Screw terminals for IM(X) 12 modules; included in delivery: 4 pcs. of 2-pin blue terminals	
IMX12-CC-2X-4BK	7580942	Spring terminals for IM(X)12 modules; included in delivery: 4 pcs. black terminals, 2-pin	
IMX12-CC-2X-4BU	7580943	Spring terminals for IM(X)12 modules; included in delivery: 4 pcs. blue terminals, 2-pin	