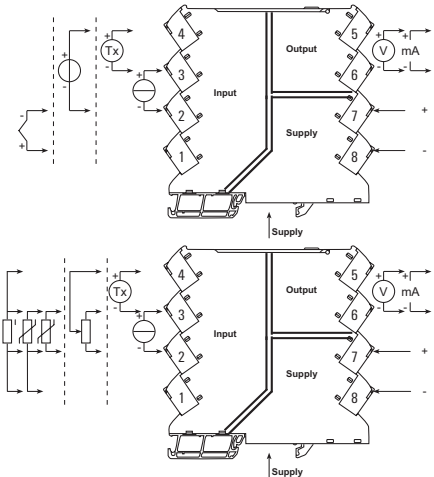
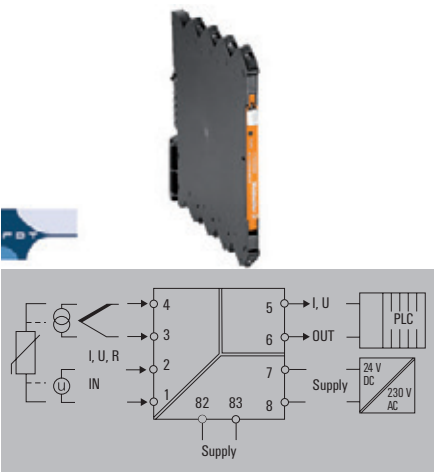


Universal measurement and signal converter

- Isolation and conversion of temperature signals and DC signals
- Configuration using FDT/DTM software
- Power supply via the mounting rail bus
- 3-way isolation

ACT20M-UI-A0-S



Technical data

Input	
Sensor	
Potentiometer	
Resistance	
Input current	
Input voltage	
Input resistance, voltage	
Voltage drop, current input	
Sensor supply	
Output	
Output current	
Output voltage	
load impedance current	
load impedance voltage	
General data	
Configuration	
Supply voltage	
Ambient temperature	
Accuracy	
Temperature coefficient	
Power consumption, typ.	
Power consumption, max.	
Step response time	
Insulation coordination	
Insulation voltage	
Rated voltage	
EMC standards	
Pollution degree	
Overvoltage category	
Approvals	

Thermocouples: B, E, J, K, L, LR, N, R, N, R, S, T, U, W3, W5, RTD: PT100, PT1000, Ni100, Ni1000, 2-/3-/4-wire
10 Ω...10 kΩ
10 Ω...10 kΩ
0...20 mA, 4...20 mA
0...10 V, 0...5 V
> 10 MΩ
< 3 V
> 15 V DC at 20 mA
adjustable, 0...20 mA, 4...20 mA
adjustable, 0...10 V, 0...5 V
≤ 600 Ω, @ max 28mA
≥ 10 kΩ
With FDT/DTM software
24 V DC ± 30 %
-25 °C...70 °C
< 0.1 % of measuring range
≤ 0.01 % / °C
400 mW
1.2 W
400 ms (10...90%) @ U/I, 1 s @ temp
2.5 kV _{eff} / 1 min.
300 V _{eff}
IEC 61326-1, NE 21
2
II
cULus; DETNORVER; EAC; FMEX; GL; GOSTME25; IECExKEM; KEMAATEX

Dimensions
Clamping range (nominal / min. / max.)
Depth x width x height
Note

Screw connection
2.5 / 0.5 / 2.5
114.3 / 6.1 / 112.5
Power supply optionally over the DIN mounting rail CH20M

Ordering data

Screw connection

Type	Qty.	Order No.
ACT20M-UI-A0-S	1	1176030000

Note

Accessories

Note

Electrical connections

ACT20M-UI-A0-S										
Terminal	Input						Power supply		Output	
	V	mA	mA Loop	RTD 2 wire	RTD 3 wire	RTD 4 wire	POT	TC	V	mA
1				Sense-	Sense-					
2	□	□		R	R-	R-	R	□		
3			■	R	R+	R+	R			
4	■			Sense+	Sense+					
5									■	■
6									□	□
7								■		
8									□	

■ = +
□ = -