

Analog Signal Conditioners

Precise Measurement of AC/DC Currents

Multifaceted: ACT20P-CMT

Ideally suited for a wide range of practical requirements

Easy Monitoring

True RMS measurement with the integrated Hall Effect Sensor; no cutting of the wire is required.

Wide Operating Temperature

Operating temperature range of $-25^{\circ}\text{C} \dots +60^{\circ}\text{C}$

Integrated Limits Monitoring

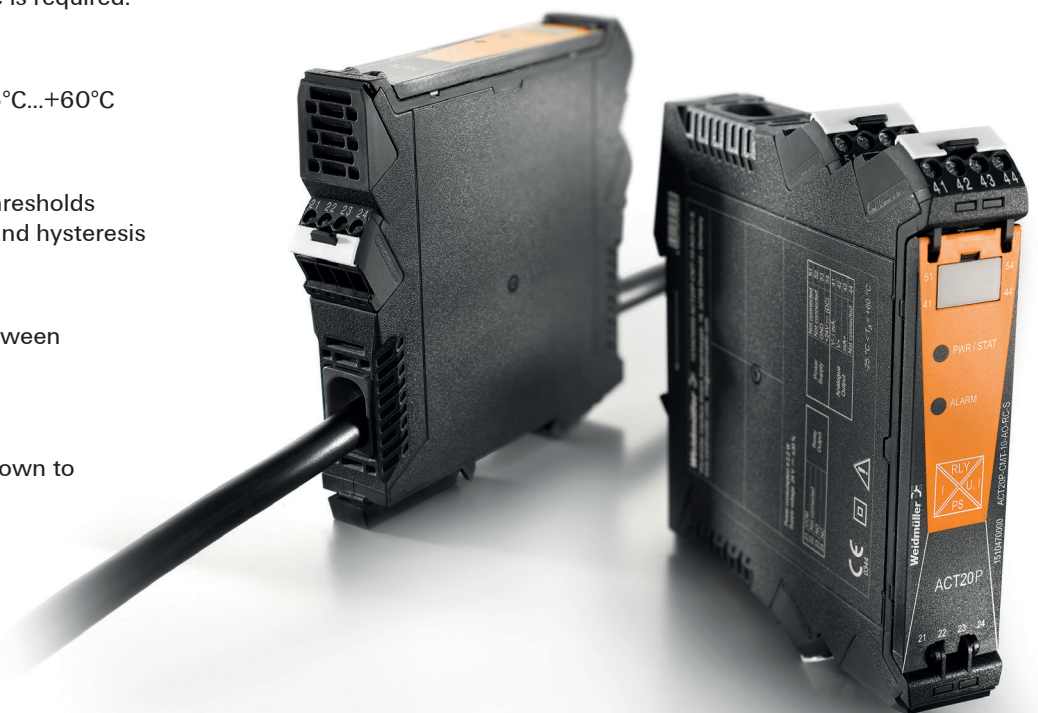
DIP switch and potentiometer for thresholds (overcurrent / undercurrent), delay and hysteresis

Selectable Output Ranges

Configurable outputs for ranges between $-20 \dots +20 \text{ mA}$ or $-10 \dots +10 \text{ V}$

Accuracy

Improved measurement accuracy down to 0.5% of the full scale measurement



Signal Converter and Process Monitoring - ACT20P-CMT

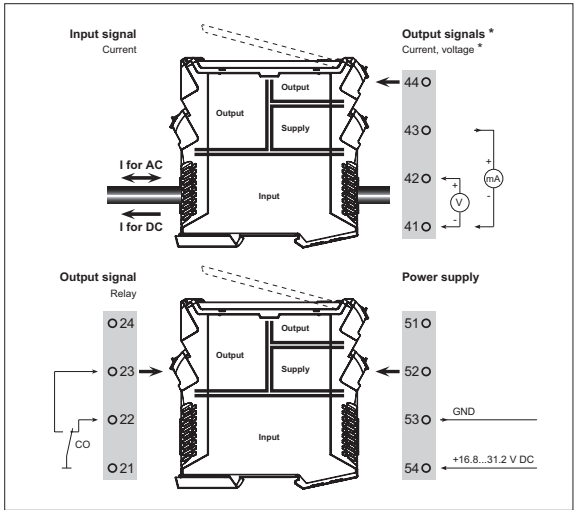
Technical Features

Parameter	Description
Input Current (Hall effect)	AC: 15...400 Hz or DC
Input measure method (for AC)	True RMS or Arithmetic average (selectable)
Maximum current	AC,DC: 10 x I nominal (1 sec.) or 2 x I nominal 5/10Amp dc: 2 x I nominal (1 sec.)
Alarm delay time of the relay	0, 2, 5 or 10 sec
Outer diameter of measured cable	10.5mm
Alarm range (adjusted through front potentiometer)	2 to 105% of I nominal
Alarm activation	Over value or under value
Alarm hysteresis	5 or 10%
Analog output (selectable)	0...10V, 2...10V, 0...5V, 1...5V, -5...5V, -10...10V, 0...20mA, 4...20mA, -20...20mA
Power supply	From 16.8 to 31.2Vdc

Typical Applications

Measuring signals from process automation / energy or machinery:

- OEM machinery
- Iron and steel industry
- Water distribution and waste water
- Food and beverage
- Oil and gas
- Conveyor systems



Product Information

Product Information	Description	Measure Range	Connection Technology	Part Number
ACT20P-CMT-10-AO-RC-S	Current-measuring - Analog output, + Relay output	1/5/10 Amp	Screw	1510470000
ACT20P-CMT-10-AO-RC-P			Push In	1510330000
ACT20P-CMT-30-AO-RC-S		20/25/30 Amp	Screw	1510540000
ACT20P-CMT-30-AO-RC-P			Push In	1510320000
ACT20P-CMT-60-AO-RC-S	Current-measuring with Relay output	40/50/60 Amp	Screw	1510440000
ACT20P-CMT-60-AO-RC-P			Push In	1510290000
ACT20P-CMT-60-RC-S			Screw	1510390000
ACT20P-CMT-60-RC-P			Push In	1510280000

Information

Information is available for download on the web at www.weidmuller.com/analogsignal

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