



#### General ordering data

Order No.	7940010195
Part designation	UCVAR
Version	Signal converter/disconnector, -55...+55 mA / -55...55 V , 0...11 V , 0...22 mA
EAN	4032248565955
Qty.	1 pc(s).

#### Product notes

Note, ordering data	Additional input and output versions available on request
Note, technical data	PE connection direct on enclosure
Product description	Universal, galvanically-isolated signal converters with an alarm function

#### Function

#### Alarm

Type	Alarm output with 2 NO contacts and suppressor circuit
Function	High or low alarm
Switching current	1 A @ 240 V AC / 30 V DC
Switching threshold	25 % of display range
Reset	Automatic or manual
Insulation	1.5 kV for 60 s

#### Display

Status indicator	Trip 1 / Trip 2 / Processor status
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#### Functions

Step response time	320 ms (10...90 %),adjustable (250 ms...32 s)
Temperature coefficient	≤ 0.02 % / °C

#### General data

Input/Output	Current input / voltage input
Humidity	0 to 90 % (no condensation)

#### General data

Ambient temperature (operational)	0 °C...+60 °C
Storage temperature	-25 °C...+70 °C

#### Input

Type	Analog current / voltage signals
Resolution	1 µA/ mV per bit for small ranges
Input signal	-55...+55 mA / -55...55 V
Input resistance	22 Ω (current input); 1 Ω (voltage input)
Linearization	Linear or √
Supply voltage	24 V DC (up to 25 mA)
Smallest recommended signal range	1 mA or 1 V

#### Output

Type	Adjustable voltage/current
Output voltage	0...11 V
Output current	0...22 mA
Load resistance, voltage	≥ 1 kΩ
Load resistance, current	≤ 900 Ω
Residual ripple	< 20 mV (voltage) < 40 µA (current)
Smallest recommended signal range	2 mA or 1 V
Transmit function	direct or inverted

#### Settings

Repeat accuracy	± 0.05 % of signal range
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#### Dimensions

Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, nom.	1.5 mm <sup>2</sup>
Length	120 mm
Height	97 mm
Width	46 mm

#### Approvals

Approvals institutes



#### Classifications

eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

#### Similar products

Order No.	Part designation	Version
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7940010232	CNDAR	Signal converter/disconnector, 0 to 200 $\mu$ S (0.1 $\mu$ S resolution)0 to 1000 / 5000 $\mu$ S (1 $\mu$ S resolution)0 to 20 mS (0.01 mS resolution)0 to 200 $^{\circ}$ C (0.1 $^{\circ}$ C resolution) , 0...11 V , 0...22 mA
7940010184	UHZAR	Signal converter/disconnector, 50 mV...250 V AC/DC , 0...10 kHz , 0...11 V , 0...22 mA
7940012190	UTCAR	Signal converter/disconnector, 9 ranges, adjustable , 0...11 V , 0...22 mA
7940010489	CLCAR	Signal converter/disconnector, -24...24 mA / -12...12 V , 0...11 V , 0...22 mA
7940010250	URTAR	Signal converter/disconnector, Configurable for 4 ranges , 0...11 V , 0...22 mA