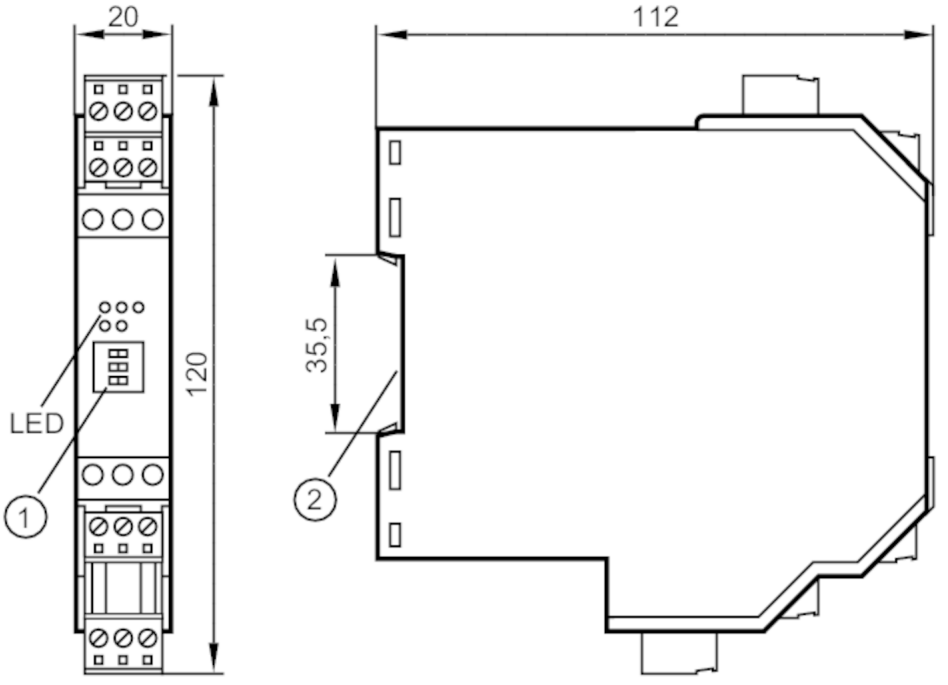
N0532A

Switching amplifiers for Namur sensors

NV1223/24VDC/OK/1D/1G

phase-out article

Alternative articles: N0538A
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Number of inputs and outputs		Number of digital outputs: 2
Application		
Application		short-circuit monitoring; Wire monitoring
Electrical data		
Operating voltage tolerance	[%]	-15...25
Operating voltage	[V]	24 DC
Current consumption	[mA]	< 50
Number of channels		2
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 2
Outputs		
Electrical design		opto coupler; (bipolar; Voltage: max. 40 V DC)
Number of digital outputs		2
Max. voltage drop switching output DC	[V]	3
Max. current load per output	[mA]	100
Switching frequency DC	[Hz]	5000
Short-circuit proof		yes

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Operating conditions			
Ambient temperature	[°C]	-20...60	
Protection		IP 20	
Tests / approvals			
Approval		PTB 02 ATEX 2037; TIIS TC16049; IECEx PTB 06.0038	
ATEX marking		II (1) G [Ex ia] IIC	
		II (1) D [Ex ia] IIIC	
EMC		EN 50081-2	(1993)
		EN 61326-1	(2006)
MTTF	[years]	426	
Mechanical data			
Weight	[g]	172	
Displays / operating elements			
Display		switching status	2 x LED, yellow
		operation	LED, green
		function	2 x LED, red
Remarks			
Remarks		Caution The control monitor must be mounted outside the hazardous area.	
		Free terminals must not be used.	
Pack quantity		1 pcs.	

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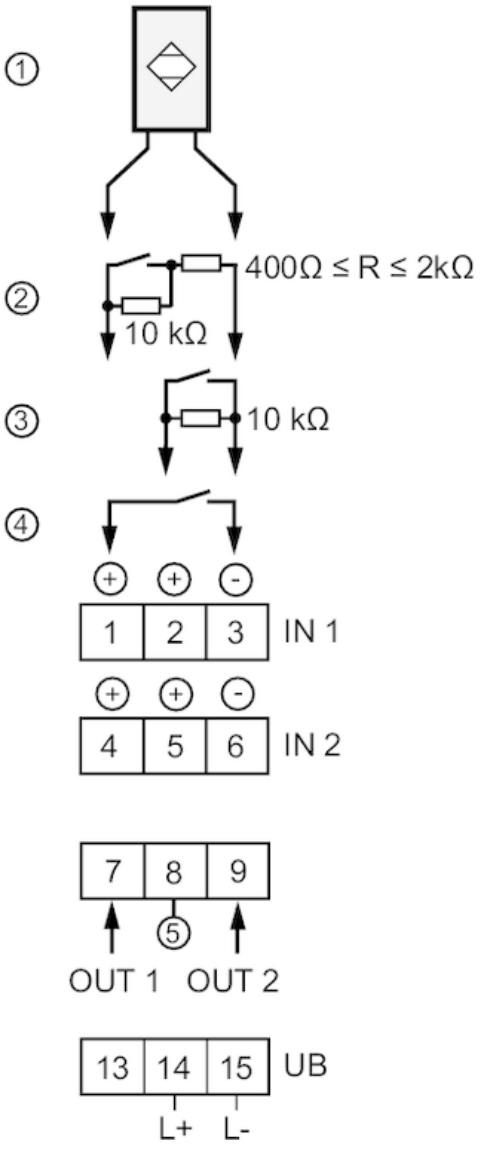
Electrical connection

terminals: ...2.5 mm²

Connection



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Other data

Maximum values for control circuit

in protection rating intrinsic safety	[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
Voltage [V]	10.5	10.5	10.5	10.5
Current [mA]	13	13	13	13
Power [mW]	34	34	34	34
External inductance [mH]	200	740	200	740
External capacitance [µF]	2.4	16.8	2.4	16.8