N00221

Switching amplifiers for Namur sensors

NV0201 115VAC,RL

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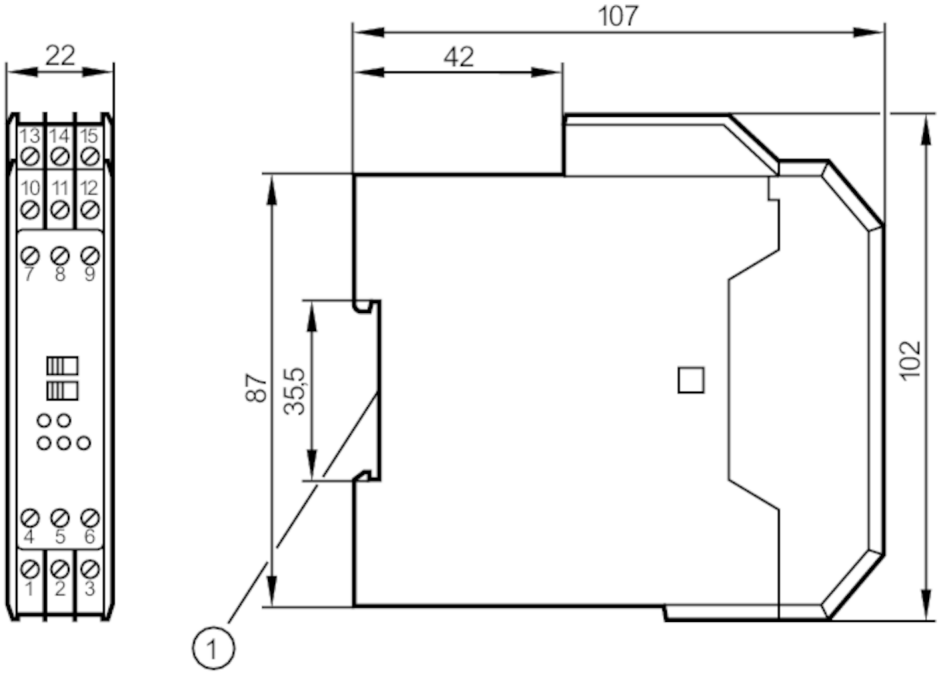

1 mounting on DIN rail

Application		
Application		short-circuit monitoring; Wire monitoring
Electrical data		
Operating voltage tolerance	[%]	-15...10
Operating voltage	[V]	< 115 AC
Number of channels		2
Outputs		
Electrical design		relay
Contact rating		5 A, 250 V AC / 100 VA
Switching frequency AC	[Hz]	20
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 30
Protection rating terminals		IP 20
Tests / approvals		
Approval		PTB Ex-95.C.2142X

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Safety classification		
Designation		in protection rating intrinsic safety
Voltage	[V]	< 11
Current	[mA]	< 26
Power	[mW]	< 72
[Ex ia] IIC designation		[EEx ia] IIC
[Ex ia] IIB designation		[EEx ia] IIB
[Ex ib] IIC designation		[EEx ib] IIC
[Ex ib] IIB designation		[EEx ib] IIB
[Ex ia] IIC inductance		1mH / 2mH / 5mH
[Ex ia] IIB inductance		1mH / 2mH / 5mH
[Ex ib] IIC inductance		46mH
[Ex ib] IIB inductance		170mH
[Ex ia] IIC capacitance		567nF / 581nF / 483nF
[Ex ia] IIB capacitance		2.5µF / 2.2µF / 1.8µF
[Ex ib] IIC capacitance		2.5µF
[Ex ib] IIB capacitance		15µF

Mechanical data		
Housing		housing for DIN rail mounting
Dimensions	[mm]	102 x 22 x 107

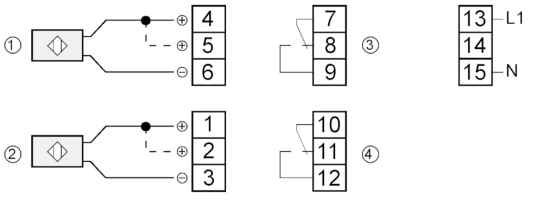
Displays / operating elements		
Display	switching status	2 x LED, yellow
	operation	LED, green
	function	2 x LED, red

Remarks	
Pack quantity	1 pcs.

Electrical connection

terminals: 15 x ...2.5 mm²

Connection



1:	sensor 1
2:	sensor 2
3:	Relais 1
4:	Relais 2
	link 4-5 / 1-2 = without wire-break monitoring