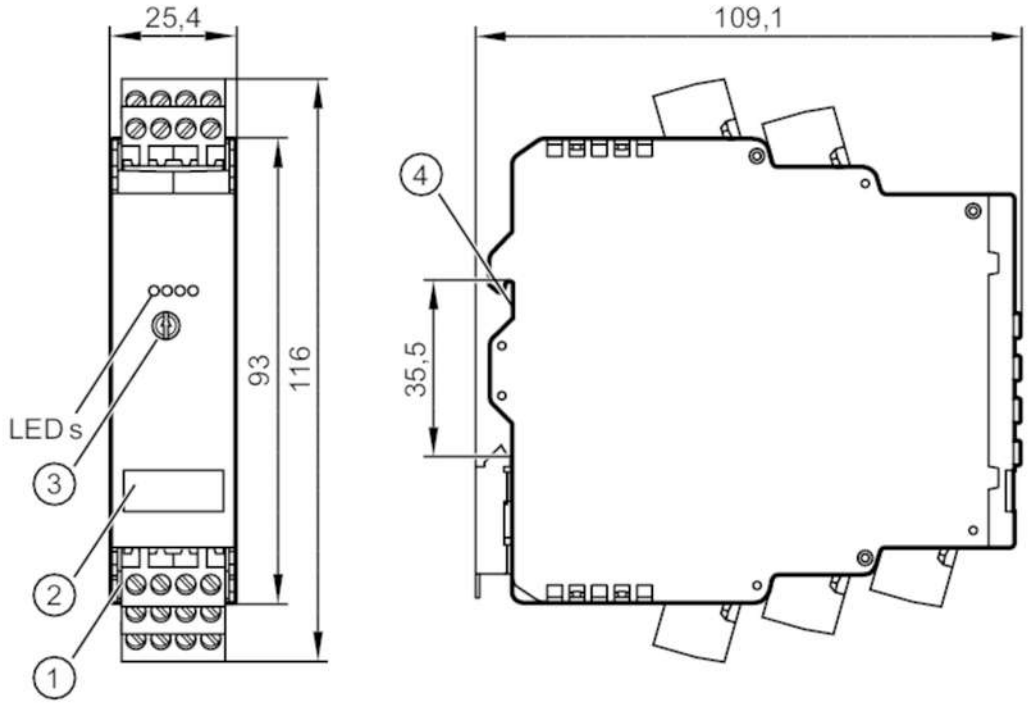
DL0203

Evaluation unit for level monitoring/control

L200/LC-1/110-240VAC 24VDC



1 plug-in screw terminals
2 panel for labelling
3 potentiometer
4 mounting on DIN rail

Product characteristics		
Housing		housing for DIN rail mounting
Application		
Application		two-point control of levels
Electrical data		
Operating voltage tolerance 2	[%]	> 20
Nominal voltage AC	[V]	110...240
Nominal voltage DC	[V]	27
Nominal voltage tolerance	[%]	> 20
Nominal voltage tolerance 2	[%]	20...10
Nominal frequency AC	[Hz]	50...60
Insulation rating	[V]	9
Max. power consumption AC	[W]	6
Max. power consumption DC	[W]	4
Auxiliary energy for sensors DC	[V]	18.5...30; (SELV, ≤ 100 mA)
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1; Number of relay outputs: 1

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Outputs			
Number of digital outputs		1	
Number of relay outputs		1	
Contact rating		4 A (240 V AC, 24 V DC); (ohmic resistance)	
Short-circuit proof		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Storage temperature	[°C]	-25...70	
Max. relative air humidity	[%]	80; (40 °C: 50 % non condensing)	
Max. height above sea level	[m]	2000	
Protection		IP 20	
Protection rating terminals		IP 20	
Degree of soiling		2; (≤ 240 V AC)	
Tests / approvals			
MTTF	[years]	254	
UL approval		UL Approval no.	N001
Mechanical data			
Weight	[g]	235	
Housing		housing for DIN rail mounting	
Type of mounting		rail; (TH35 EN 60715)	
Materials		plastics: PC-GF20	
Displays / operating elements			
Display		voltage supply	1 x LED, green
		Inputs	2 x LED, yellow
		Output	1 x LED, green
Accessories			
Items supplied		connector: 5 x 4-pole, with screw connection, E40173	

DL0203

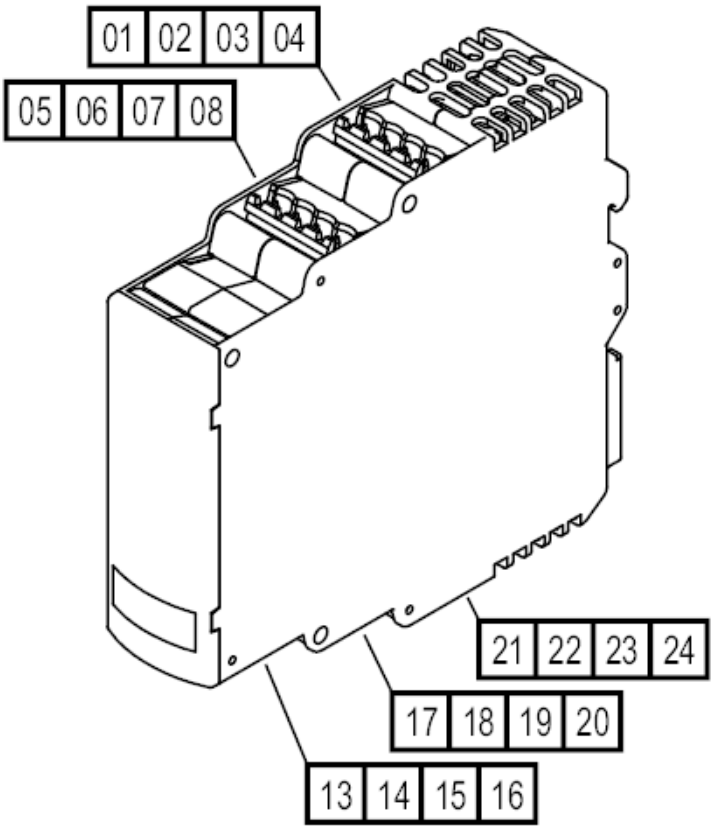
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Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



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01	DC supply voltage (+)
02	DC supply voltage (+)
03	DC supply voltage (-)
04	DC supply voltage (-)
05	DC Sensor supply (+)
06	sensor signal 1 pnp
07	DC Sensor supply (-)
08	sensor signal 2 pnp
13	current supply transistor output (+)
14	transistor output pnp
15	common reference point external supply (-)
16	not used
17	relay normally open
18	relay common
19	relay normally closed
20	not used
21	AC supply voltage (L)
22	AC supply voltage (L)
23	AC supply voltage (N)
24	AC supply voltage (N)