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Member of GHM GROUP

Product information — **Conductive Level "Hygienic Design"**

Conductive Point Level Switch MLR157

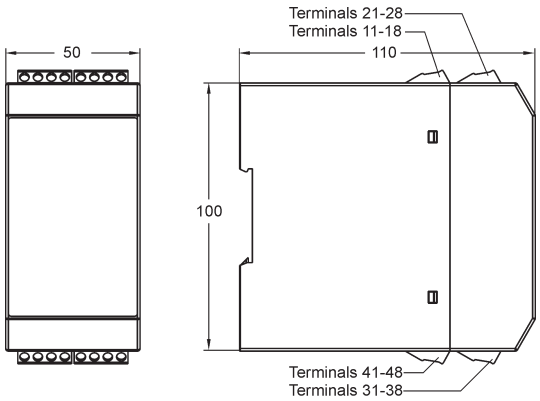
GHMware

- **Processor controlled switching device**
- **Programming via Touch-Screen and USB interface**
- **Up to 4 electrodes or point level sensors**
- **Sensitivity programmable**
- **Switch-on delay programmable**
- **Temperature input RTD Pt100**
- **Wide range power supply 18..253 V AC/DC**
- **5 alarm outputs, relay SPDT and transistor**
- **Analog output 0/4..20 mA; 0/2..10 V DC**
- **Case width 50 mm**
- **DIN rail mounting TS35 according to DIN EN 60715**

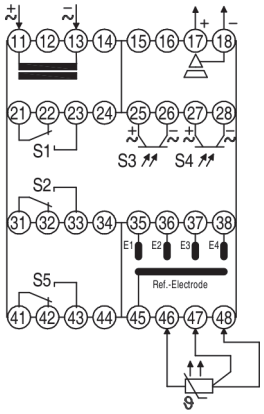
Technical data

Power supply		
Supply voltage	:	18..253 V AC/DC
Power consumption	:	< 5 VA
Ambient temperature	:	-10..+55 °C
Storage temperature	:	-40..+60 °C
Relative humidity	:	< 95 %
Condensation	:	not allowed
CE-conformity	:	EN 61326-1:2013
Input		
Electrodes	:	4
Switching point	:	selectable from 0.05..500 kΩ
Response time	:	selectable from 0.05..10 s
Min. media conductance	:	> 2 µS
Measuring voltage	:	< 5 V AC
Temperature input	:	Pt100
Ext. programming	:	via USB interface
Output		
Switching outputs	:	3 x relay; 2 x electronic PNP/NPN
relay SPDT	:	< 250 V AC < 50 VA < 2 A ohmic load < 100 V DC < 50 W < 2 A ohmic load
Electronic	:	transistor PNP, max. 32 V DC, 50 mA
Analog output	:	0/4..20 mA burden ≤ 500 Ω, 0/2..10 V burden > 500 Ω, isolated output burden depending
Case	:	**Polyamide (PA) 6.6, UL94V-0** DIN rail mounting TS35 acc. to DIN EN 60715
Weight	:	approx. 200 g
Connection	:	slide-in screw terminals with pressure plates 0.14..2.5 mm² (AWG 26..14)
Protection class	:	IP20, acc. to BGV A3

Dimensions



Connection diagram



Order code

MLR157 - 1. - 2. - 3. - 4. - 5.

1.	**Measuring input**	
	0	4 electrodes + 1 RTD Pt100
2.	**Outputs**	
	0	3 relays, 2 transistors
3.	**Supply voltage**	
	0	18..253 V AC/DC
4.	**Options**	
	00	without option
5.	**Certificate DIN EN 10204, indicate only when required**	
	WZ2.2	factory certification 2.2