

Product information

Conductive Level "Hygienic Design"

Conductive Point Level Switch MLR157



- 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

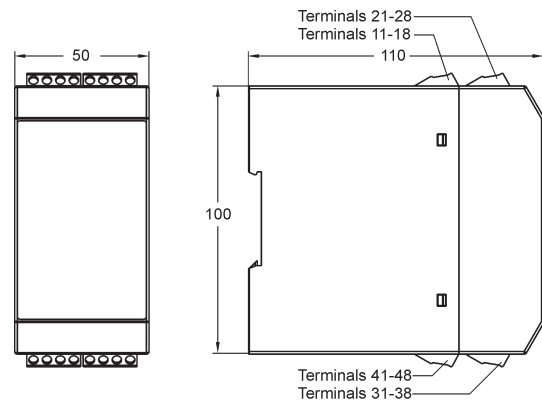
Connection

: slide-in screw terminals
 with pressure plates
 0.14..2.5 mm² (AWG 26..14)

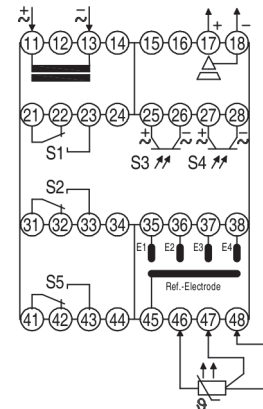
Protection class

: 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