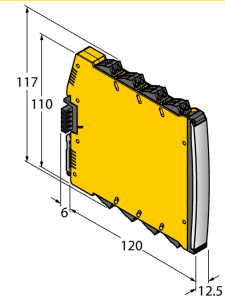


**Cabinet Guard
Internal and External Sensors
IM12-CCM03-MTIS-3T-IOLC-PR/24V**

| | |
|--|---|
| Type designation | IM12-CCM03-MTIS-3T-IOLC-PR/24V |
| Ident no. | 7570102 |
| Nominal voltage | 24 VDC |
| Operating voltage range | 10...30 VDC |
| Power consumption | ≤ 0.5 W |
| Installed sensors CCM | Triangulation sensor 40...500 mm, Humidity sensor 10...90% rel. hum., Brightness sensor Temperature sensor -25 °C...+70 °C |
| Reference temperature | 23 °C |
| Semiconductor output circuit(s) | |
| Output circuits (digital) | 2 x transistor (potential-free) NO/NC |
| Switching voltage | ≤ 30 VDC |
| Switching current per output | ≤ 0.1 A |
| Voltage drop | ≤ 1 V |
| Moisture Sensor | |
| Accuracy max. | +/- 4.5 % RF in the range 10...90% |
| Repeat accuracy | 0.2 % RF |
| Temperature Sensor | |
| Max. accuracy | +/- 2 °C |
| Repeat accuracy | 0.16 °C |
| Distance Sensor | |
| Beam angle | 6 ° |
| Measuring range | 40...500 mm |
| Accuracy | +/-50 mm In the range of ≤ 500 mm |
| Temperature coefficient | +/- 30 mm in the range of ≤ 500 mm at -25°C ≤ T ≤ 70°C +/- 15 mm in the range of ≤ 500 mm at 0 °C ≤ T ≤ 50 °C |
| Max. linearity error | ≤ 2 % of full scale |
| Indication | |
| Operational readiness | green |
| Switching state | yellow |
| Error indication | red |

Dimensions



**Cabinet Guard
Internal and External Sensors
IM12-CCM03-MTIS-3T-IOLC-PR/24V**

| | | |
|----------------------------------|---|------------------------------|
| Protection class | IP20 | |
| Flammability class acc. to UL 94 | V-0 | |
| Ambient temperature | -25...+70 °C | |
| Storage temperature | -25...+80 °C | |
| Relative humidity | ≤ 95 % | |
| Dimensions | 120 x 12.5 x 117 mm | |
| Weight | 0 g | |
| Mounting instructions | DIN rail (NS35) | |
| Housing material | Polycarbonate/ABS | |
| Electrical connection | Removable screw terminals, 2-pin | |
| Terminal cross-section | 0.2...2.5 mm ² (24 ... 13 AWG) | |
| Tightening torque | 0.5 Nm | |
| Tightening torque | 4.43 LBS-Inch | |
| Environmental conditions | Operating altitude | Up to 2000 m above sea level |
| | Pollution degree | II |
| | Standards used | |
| | Voltage resistance and insulation | |
| | | EN 50178 |
| | | EN 61010-1 |
| | Shock | |
| | | EN 60068-2-6 |
| | | EN 60068-2-27 |
| | Temperature | |
| | | EN 60068-2-1 Ad |
| | | EN 60068-2-2 Bd |
| | | EN 60068-2-1 |
| | Humidity | |
| | | EN 60068-2-38 |
| | EMC | |
| | | EN 61000-4-2 |
| | | EN 61000-4-3 |
| | | EN 61000-4-4 |
| | | EN 61000-4-5 |
| | | EN 61000-4-6 |
| | | EN 61000-4-8 |
| | Emission | |
| | | CISPR16 |

Accessories

| Type code | Ident no. | Description | |
|-----------------------------|-----------|---|--|
| USB-2-IOL-0002 | 6825482 | IO-Link Master with integrated USB port | |
| RSC4T-2/TXL | 6625524 | | |
| IMX12-PS02-UI-UIR-PR /24VDC | 7580610 | Power supply module power bridge; Collective fault signal via relay; Single and redundant power supply via terminals; Removable screw terminals | |