

SIMATIC S7-1200, SM1278 IO-Link, 4xIO-Link Master



Figure similar

| General information                       |                          |
|-------------------------------------------|--------------------------|
| Product type designation                  | SM 1278 4xIO-Link master |
| Supply voltage                            |                          |
| Rated value (DC)                          | 24 V                     |
| permissible range, lower limit (DC)       | 20.4 V                   |
| permissible range, upper limit (DC)       | 28.8 V                   |
| Power loss                                |                          |
| Power loss, typ.                          | 1 W                      |
| Interrupts/diagnostics/status information |                          |
| Diagnostics function                      | Yes                      |
| Degree and class of protection            |                          |
| IP degree of protection                   | IP20                     |
| Standards, approvals, certificates        |                          |
| CE mark                                   | Yes                      |
| CSA approval                              | Yes                      |

|                       |     |
|-----------------------|-----|
| UL approval           | Yes |
| cULus                 | Yes |
| FM approval           | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval           | Yes |
| Marine approval       | Yes |

## Ambient conditions

### Free fall

- Fall height, max. 0.3 m; five times, in product package

### Ambient temperature during operation

- min. -20 °C
- max. 60 °C
- horizontal installation, min. -20 °C
- horizontal installation, max. 60 °C
- vertical installation, min. -20 °C
- vertical installation, max. 50 °C
- permissible temperature change 5°C to 55°C, 3°C / minute

### Ambient temperature during storage/transportation

- min. -40 °C
- max. 70 °C

### Air pressure acc. to IEC 60068-2-13

- Storage/transport, min. 660 hPa
- Storage/transport, max. 1 080 hPa

### Relative humidity

- Operation at 25 °C without condensation, max. 95 %

## Connection method

|                          |     |
|--------------------------|-----|
| required front connector | Yes |
|--------------------------|-----|

## Mechanics/material

|                            |     |
|----------------------------|-----|
| Enclosure material (front) |     |
| • Plastic                  | Yes |

## Dimensions

|        |        |
|--------|--------|
| Width  | 45 mm  |
| Height | 100 mm |
| Depth  | 75 mm  |

## Weights

|                 |       |
|-----------------|-------|
| Weight, approx. | 150 g |
|-----------------|-------|

**last modified:** 09/11/2020