

# DV1200



## LED strip RGBW

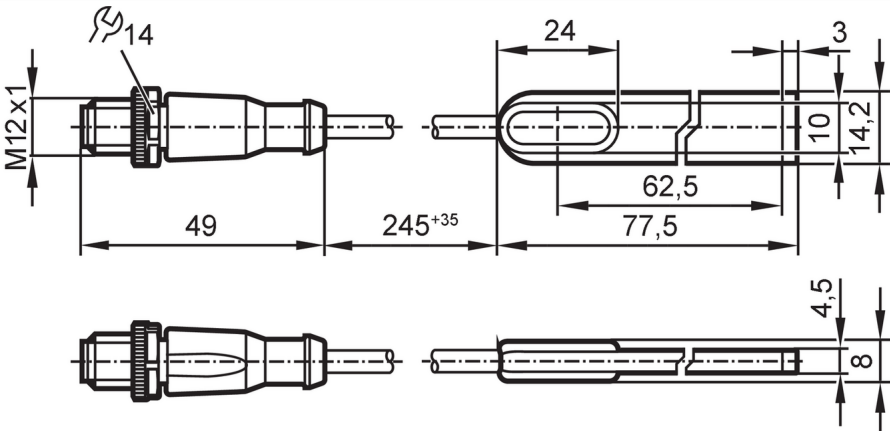
LED-Strip-RGBW-transp-62,5mm-fb

Article to be discontinued

Alternative articles: DV1250

When selecting an alternative article and accessories please note that technical data may differ!

IO-Link-capable with DP1615



### Application

|                    |                                                                           |
|--------------------|---------------------------------------------------------------------------|
| Special feature    | Free from silicone; gold-plated contacts; Drag chain suitability          |
| Application        | signaling machine conditions; sanitary and wet areas in the food industry |
| Free from silicone | yes                                                                       |

### Electrical data

|                          |      |                                                           |
|--------------------------|------|-----------------------------------------------------------|
| Operating voltage        | [V]  | 21.6...26.4 DC                                            |
| Nominal voltage DC       | [V]  | 24; (to SELV/PELV)                                        |
| Max. current consumption | [mA] | 90; (red: 20; green: 20; blue: 20; white: 30)             |
| Color temperature        | [K]  | 7500                                                      |
| Luminous flux            | [lm] | red: 184.96; green: 572; blue: 116; white: 768.32         |
| Note on luminous flux    | [lm] | luminous flux indications refer to one meter of LED strip |
| Typ. lifetime            | [h]  | 38000                                                     |

### Inputs

|                                 |          |
|---------------------------------|----------|
| Input circuit of digital inputs | 24 V PNP |
|---------------------------------|----------|

### Operating conditions

|                             |      |          |
|-----------------------------|------|----------|
| Ambient temperature         | [°C] | -20...45 |
| Max. relative air humidity  | [%]  | 90       |
| Max. height above sea level | [m]  | 4000     |
| Protection                  |      | IP 68    |
| Pollution degree            |      | 2        |

### Tests / approvals

|          |                     |
|----------|---------------------|
| Approval | EN 62471; IEC 62031 |
|----------|---------------------|

### Mechanical data

|        |     |      |
|--------|-----|------|
| Weight | [g] | 43.8 |
|--------|-----|------|

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|                        |                                          |                                                                                                |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|
| Dimensions             | [mm]                                     | 77.5 x 14.2 x 4.5                                                                              |
| Material               |                                          | housing: TPU (urethane)                                                                        |
| Molded-body material   |                                          | PVC                                                                                            |
| Material nut           |                                          | stainless steel (1.4404 / 316L)                                                                |
| Sealing material       |                                          | EPDM                                                                                           |
| Drag chain suitability |                                          | yes                                                                                            |
| Drag chain suitability | Bending radius for flexible applications | min. 10 x cable diameter                                                                       |
|                        | Travel speed                             | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | Bending cycles                           | > 1 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

### Displays / operating elements

|         |                              |                      |
|---------|------------------------------|----------------------|
| Display | signaling machine conditions | LED, multi-color RGB |
|         | mounting light               | LED, white           |

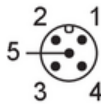
### Remarks

|               |                             |
|---------------|-----------------------------|
| Notes         | IO-Link-capable with DP1615 |
| Pack quantity | 1 pcs.                      |

### Electrical connection

Cable: 0.3 m, PVC, orange, Ø 4.9 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

Connector: M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: PVC, orange; Locking: stainless steel (1.4404 / 316L); sealing: EPDM; Tightening torque: 0.6...1.5 Nm



|   |         |
|---|---------|
| 1 | + red   |
| 2 | + green |
| 3 | GND     |
| 4 | + white |
| 5 | + blue  |

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### Diagrams and graphs

light intensity distribution curve

