



Splitter box

ZDO8H050MSS0005H19



| Application                       |      |                                                                                |
|-----------------------------------|------|--------------------------------------------------------------------------------|
| Special feature                   |      | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |
| Free from silicone                |      | yes                                                                            |
| Electrical data                   |      |                                                                                |
| Operating voltage                 | [V]  | < 30 DC; ("supply class 2" to cULus)                                           |
| Protection class                  |      | II                                                                             |
| Max. current load per module/slot | [A]  | 4                                                                              |
| Max. current load total           | [A]  | 12                                                                             |
| Operating conditions              |      |                                                                                |
| Ambient temperature               | [°C] | -25...80                                                                       |
| Ambient temperature (moving)      | [°C] | -5...60                                                                        |



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|            |              |
|------------|--------------|
| Protection | IP 67; IP 68 |
|------------|--------------|

### Tests / approvals

|             |                |        |
|-------------|----------------|--------|
| UL approval | Enclosure type | Type 1 |
|-------------|----------------|--------|

### Mechanical data

|                              |                                 |                                                                                                |
|------------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Weight                       | [g]                             | 906.5                                                                                          |
| Dimensions                   | [mm]                            | 22 x 54 x 127                                                                                  |
| Materials                    |                                 | PA                                                                                             |
| Moulded-body material        |                                 | PA                                                                                             |
| Number of ports splitter box |                                 | 8                                                                                              |
| Connector type               |                                 | M12                                                                                            |
| Drag chain suitability       |                                 | yes                                                                                            |
| Drag chain suitability       | bending radius for flexible use | 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                  | > 2 Mio.                                                                                       |
|                              | torsional strain                | ± 30 °/m                                                                                       |

### Accessories

|                |                    |
|----------------|--------------------|
| Items supplied | Protective caps: 2 |
|                | labels: 8          |

### Remarks

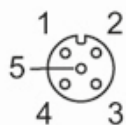
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 5 m, PUR, Halogen-free, black, Ø 9.7 mm; 16 x 0.34 mm<sup>2</sup> (43 x Ø 0.1 mm ) + 3 x 0.75 mm<sup>2</sup> (95 x Ø 0.1 mm )

### Electrical connection - slot

Connector: 8 x M12; coding: A; Moulded body: PA; Contacts: gold-plated; Tightening torque: 0.8...1.5 Nm





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## Connection

|              |           |   |
|--------------|-----------|---|
| <u>BN</u>    | 1 (1...8) | C |
| <u>BU</u>    | 3 (1...8) | C |
| <u>GN/YE</u> | 5 (1...8) | C |
| <u>GY/PK</u> | 2 (1)     | C |
| <u>RD/BU</u> | 2 (2)     | C |
| <u>WH/GN</u> | 2 (3)     | C |
| <u>BN/GN</u> | 2 (4)     | C |
| <u>WH/YE</u> | 2 (5)     | C |
| <u>YE/BN</u> | 2 (6)     | C |
| <u>WH/GY</u> | 2 (7)     | C |
| <u>GY/BN</u> | 2 (8)     | C |
| <u>WH</u>    | 4 (1)     | C |
| <u>GN</u>    | 4 (2)     | C |
| <u>YE</u>    | 4 (3)     | C |
| <u>GY</u>    | 4 (4)     | C |
| <u>PK</u>    | 4 (5)     | C |
| <u>RD</u>    | 4 (6)     | C |
| <u>BK</u>    | 4 (7)     | C |
| <u>VT</u>    | 4 (8)     | C |

|      |                |
|------|----------------|
|      | Core colours : |
| BK = | black          |
| BN = | brown          |
| BU = | blue           |
| GN = | green          |
| GY = | grey           |
| PK = | pink           |
| RD = | red            |
| VT = | lilac          |
| WH = | white          |
| YE = | yellow         |