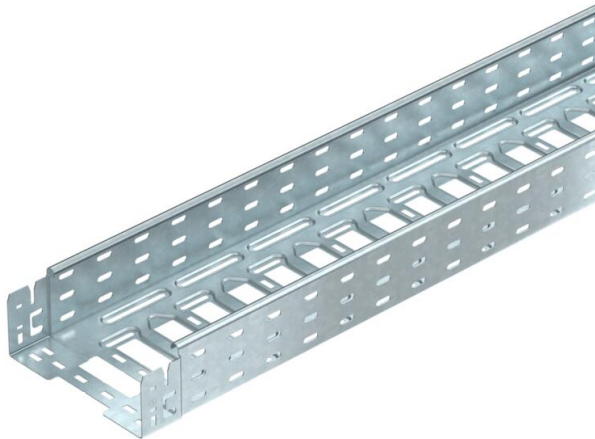


# Technical data sheet

## Cable tray MKS-Magic® 85 FT

Item number: 6059101



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.

The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

Continuous equipotential bonding is guaranteed without additional components.



St

Steel

FT

Hot-dip galvanised

### Master data

|                                    |                             |
|------------------------------------|-----------------------------|
| Item number                        | 6059101                     |
| Type                               | MKSM 820 FT                 |
| Description 1                      | Cable tray MKSM             |
| Description 2                      | perforated, quick connector |
| Manufacturer                       | OBO                         |
| Dimension                          | 85x200x3050                 |
| Colour                             | zinc                        |
| Material                           | Steel                       |
| Surface                            | Hot-dip galvanised          |
| Surface standard                   | DIN EN ISO 1461             |
| Smallest sales unit                | 3                           |
| Unit of quantity                   | Metre                       |
| Weight                             | 277.704 kg                  |
| Weight unit                        | kg/100 m                    |
| CO2 Footprint (GWP) Cradle-to-Gate | 7,1348 kg CO2e / 1 Meter    |

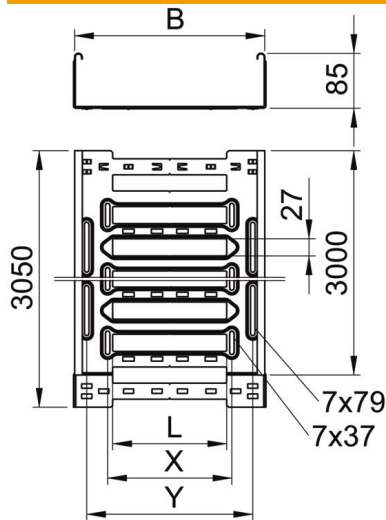
# Technical data sheet

## Cable tray MKS-Magic® 85 FT

Item number: 6059101



### Dimensions



|                 |          |
|-----------------|----------|
| Length          | 3,050 mm |
| Width           | 200 mm   |
| Height          | 85 mm    |
| Plate thickness | 1 mm     |
| Dimension B     | 200 mm   |
| Dimension L     | 80 mm    |
| Dimension x     | 96 mm    |
| Dimension y     | 162 mm   |

### Technical data

|                                          |                       |
|------------------------------------------|-----------------------|
| Connector version                        | Integrated connector  |
| Mounting system fastening type           | Floor Ceiling Wall    |
| Walkable                                 | no                    |
| Maintain electrical functions            | no                    |
| With cover                               | no                    |
| Mounting perforation in base             | yes                   |
| NATO hole pattern                        | no                    |
| Usable cross-section                     | 186 cm <sup>2</sup>   |
| Usable cross-section                     | 18600 mm <sup>2</sup> |
| Rustproof steel, pickled                 | no                    |
| Side perforation                         | yes                   |
| Wide-span version                        | no                    |
| Magnetic shield insulation with cover    | 50 dB                 |
| Magnetic shield insulation without cover | 20 dB                 |
| Load test type according to IEC 61537    | Type II               |
| Usable length                            | 3000 mm               |
| Type of connector, cable support system  | Click fastening       |

# Technical data sheet

## Cable tray MKS-Magic® 85 FT

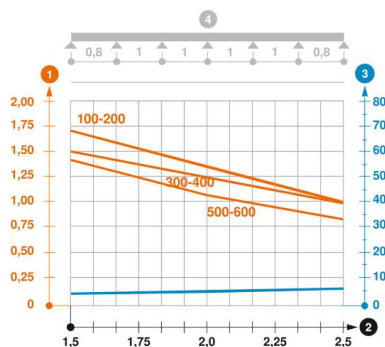
Item number: 6059101



### Loads

|                                   |           |
|-----------------------------------|-----------|
| Insertable support spacings, min. | 1.5 m     |
| Insertable support spacings, max. | 2.5 m     |
| Support spacing 1.5 m             | 1.7 kN/m  |
| Support spacing 2.0 m             | 1.35 kN/m |
| Support spacing 2.5 m             | 1 kN/m    |

#### Load diagram, cable tray, type MKSM 85



- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width