

## HDC XX6A01 MFSM12X-0100

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



### Compact

The new two-pole bus module is extremely compact and can accommodate both megabit and gigabit data inserts. It enables the connection of 2 Gigabit Cat 6A cables (10 gigabit) to one module.

### General ordering data

|            |                            |
|------------|----------------------------|
| Version    | Data use                   |
| Order No.  | <a href="#">2450440100</a> |
| Type       | HDC XX6A01 MFSM12X-0100    |
| GTIN (EAN) | 4050118464528              |
| Qty.       | 1 items                    |

## HDC XX6A01 MFSM12X-0100

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

### Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Dimensions and weights

|            |         |
|------------|---------|
| Net weight | 114.4 g |
|------------|---------|

### Temperatures

|                   |                  |
|-------------------|------------------|
| Limit temperature | -40 °C ... 90 °C |
|-------------------|------------------|

### Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 2ac5c63f-7f5e-465a-860d-49cfb7bbe5b5 |

### General data

|                       |                        |                       |            |
|-----------------------|------------------------|-----------------------|------------|
| Number of poles       | 8                      | Cable length          | 1 m        |
| Coding                | X-coded                | Contact surface       | Au (Gold)  |
| Transmission rate     | 10 Gbps, 10 Gbit/s     | Insulation resistance | ≥ 108 Ω    |
| Category              | Cat. 6A                | Nominal voltage       | 50 V       |
| Nominal current       | 0.5 A                  | Plugging cycles       | ≥ 2265 100 |
| Type                  | Pin                    | Pollution severity    | 2          |
| Opposite side version | Female, straight, M12X | Module side version   | Male       |

### Cable technical specifications

|                  |  |        |
|------------------|--|--------|
| Cable length     | 1 m  |        |
| Sheathing colour | blue   |        |
| Shielded         | Yes  |        |
| Halogen          | No   |        |
| Insulation       | Expanded   |        |
| Sheath material  | Radox EM 104   |        |
| Colour coding    | white / orange, orange, white / green, green, white / brown, brown, white / blue, blue |        |
| Outside diameter | Diameter   | 8.1 mm |
|                  | Signs  | ±      |
|                  | Tolerance  | 0.5    |
| Outside diameter | 8.1 mm ± 0.5   |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-07 |
| ECLASS 15.0 | 27-06-03-07 |             |             |

**HDC XX6A01 MFSM12X-0100**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

**Drawings**

[www.weidmueller.com](http://www.weidmueller.com)

---

---

|     |   |               |   |     |
|-----|---|---------------|---|-----|
| M12 | 1 | White, Orange | 1 | M12 |
|     | 2 | Orange        | 2 |     |
|     | 3 | White, Green  | 3 |     |
|     | 4 | Green         | 4 |     |
|     | 5 | White, Brown  | 5 |     |
|     | 6 | Brown         | 6 |     |
|     | 7 | White, Blue   | 7 |     |
|     | 8 | Blue          | 8 |     |

---

---