

**HDC XX6A01 FMSM12X-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    |                            |
| Order No.  | <a href="#">2451140100</a> |
| Type       | HDC XX6A01 FMSM12X-0100    |
| GTIN (EAN) | 4050118485677              |
| Qty.       | 1 pc(s).                   |

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## Technical data

## Dimensions and weights

|            |         |
|------------|---------|
| Net weight | 0.001 g |
|------------|---------|

## Temperatures

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

## General data

|                     |                    |                       |                      |
|---------------------|--------------------|-----------------------|----------------------|
| Cable length        | 1 m                | Category              | Cat. 6A              |
| Coding              | X-coded            | Contact surface       | Au (Gold)            |
| Insulation strength | $\geq 10^8 \Omega$ | Module side version   | Female               |
| Number of poles     | 8                  | Opposite side version | Male, straight, M12X |
| Plugging cycles     | \u2265 100         | Pollution severity    | 2                    |
| Rated current       | 0.5 A              | Rated voltage         | 50 V                 |
| Transmission rate   | 10 Gbps, 10 Gbit/s | Type                  | Female               |

## Cable technical specifications

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 9.0  | 27-06-03-07 |
| ECLASS 9.1  | 27-06-03-08 | ECLASS 10.0 | 27-06-03-07 |
| ECLASS 11.0 | 27-06-03-07 | ECLASS 12.0 | 27-06-03-07 |
| ECLASS 13.0 | 27-06-03-07 | ECLASS 14.0 | 27-06-03-07 |
| ECLASS 15.0 | 27-06-03-07 |             |             |

## 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 |

## Approvals

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

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## Technical data

### Downloads

Catalogues

[Catalogues in PDF-format](#)

Brochures

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# Drawings

|     |   |               |   |     |
|-----|---|---------------|---|-----|
| 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 |     |