

|                           |                                      |                                                                                     |
|---------------------------|--------------------------------------|-------------------------------------------------------------------------------------|
| 44423340                  | <b>DATA SHEET</b>                    |  |
| Valid from:<br>12.06.2024 | <b>EPIC® MHS/MHB 6 LWL MODULE LC</b> |                                                                                     |

## Description

- Fiber optic module to accommodate 6 assembled fiber optic LC connectors in one module
- No EMC influences on the FO data transmission
- Integrated coupling element (sleeve) in a module for direct connection and exact positioning of the connection
- Use for railway applications. Fire protection in rail vehicles: test according to EN 45545-2. requirement set R22 and R23. hazard level HL1, HL2 and HL3.
- EPIC® MH System is pluggable with the market standard
- The mix of different functions in one plug guarantees high flexibility



## General characteristics

|                                                               |                                                                                                                                                                                                                                                                                                                                                        |                    |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Type                                                          | Female insulation body (44423341)<br>Male insulation body 44423340                                                                                                                                                                                                                                                                                     |                    |
| Number of contacts                                            | 6                                                                                                                                                                                                                                                                                                                                                      |                    |
| Mating cycles                                                 | ≥ 500                                                                                                                                                                                                                                                                                                                                                  |                    |
| Material                                                      | Polyamid, glasfiber reinforced                                                                                                                                                                                                                                                                                                                         |                    |
| Inflammability class acc. with UL 94                          | V0                                                                                                                                                                                                                                                                                                                                                     |                    |
| Temperatue range                                              | -40° C to +125° C                                                                                                                                                                                                                                                                                                                                      |                    |
| Suitable FO Patchcords                                        | Singlemode: GOF Duplex Patchcord LC/LC E9 OS2 (Art.Nr. 29033902)<br>Multimode: GOF Duplex Patchcord LC/LC G62.5 OM 1 (Art.Nr. 29033102)<br>Multimode: GOF Duplex Patchcord LC/LC G50 OM 2 (Art.Nr. 29033202)<br>Multimode: GOF Duplex Patchcord LC/LC G50 OM 3 (Art.Nr. 29033302)<br>Multimode: GOF Duplex Patchcord LC/LC G50 OM 4 (Art.Nr. 29033402) |                    |
| (Der LWL-Standard must be identical at male and female side!) | EPIC® MHS 6 multi-frame                                                                                                                                                                                                                                                                                                                                | (Art.Nr. 44423234) |
|                                                               | EPIC® MHS 10 multi-frame                                                                                                                                                                                                                                                                                                                               | (Art.Nr. 44423236) |
|                                                               | EPIC® MHS 16 multi-frame                                                                                                                                                                                                                                                                                                                               | (Art.Nr. 44423238) |
|                                                               | EPIC® MHS 24 multi-frame                                                                                                                                                                                                                                                                                                                               | (Art.Nr. 44423240) |
| Suitable female frame                                         | EPIC® MHB 6 multi-frame                                                                                                                                                                                                                                                                                                                                | (Art.Nr. 44423235) |
|                                                               | EPIC® MHB 10 multi-frame                                                                                                                                                                                                                                                                                                                               | (Art.Nr. 44423237) |
|                                                               | EPIC® MHB 16 multi-frame                                                                                                                                                                                                                                                                                                                               | (Art.Nr. 44423239) |
|                                                               | EPIC® MHB 24 multi-frame                                                                                                                                                                                                                                                                                                                               | (Art.Nr. 44423241) |

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## Transmission characteristics

Damping  $\leq 0,75$  dB

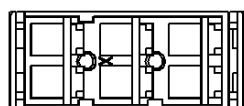
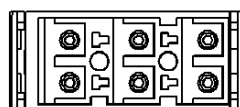
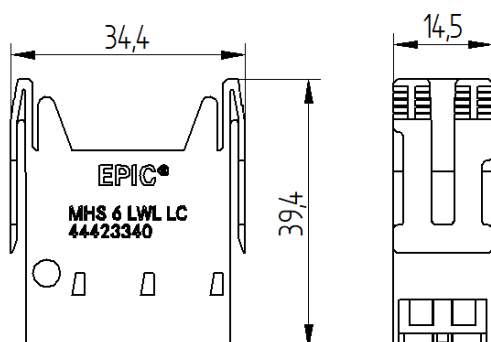
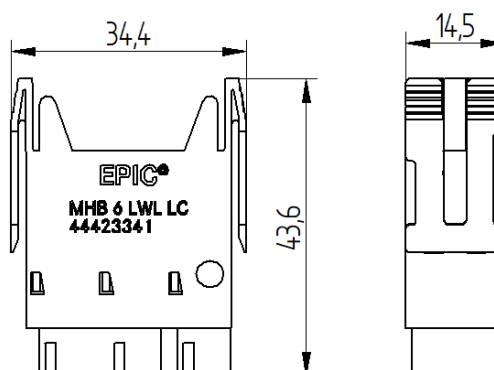
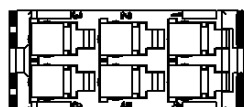
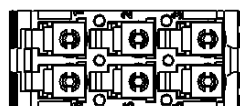
## Standards/Approvals

|                                     |                                                                                          |
|-------------------------------------|------------------------------------------------------------------------------------------|
| Fire protection on railway vehicles | according to EN 45545-2<br>Requirement sets R22 and R23<br>Hazard level HL1, HL2 and HL3 |
| Damping class                       | ISO/IEC 11801-1                                                                          |
| cURus approval                      | in preparation                                                                           |

## Drawings

male insulation body unprotected

female insulation body protected



## Note

Photographs are not to scale and do not represent detailed images of the respective products.

The LWL-Plugs must be cleaned and the attenuation measured before each connection. To achieve an attenuation of  $\leq 0.75$  dB, cleaning can be carried out several times.

|                                           |                                       |             |
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