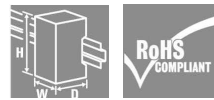


**Industrial Ethernet
IE-MC-VL-1TX-1ST**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Industrial Fast Ethernet media converter

- 10/100BaseT(X) auto-negotiation and auto MDI/MDI-X
- Link Fault Pass-Through (LFP)
- Warning in event of power failure and port failure
- Redundant power supply inputs
- -40 to 75 °C operating temperature (T models)
- Designed for explosive-risk areas (Class 1 Div. 2/Atex Zone 2)

General ordering data

| | |
|------------|---|
| Type | IE-MC-VL-1TX-1ST |
| Order No. | 1241410000 |
| Version | Media converter, Fast Ethernet, Number of ports: 1x RJ45, 1 * ST Multi-mode, IP 30, 0 °C...+60 °C |
| GTIN (EAN) | 4050118029321 |
| Qty. | 1 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|--------|--------|------------|---------|
| Length | 105 mm | Width | 53.6 mm |
| Height | 135 mm | Depth | 105 mm |
| Weight | 630 g | Net weight | 765 g |

EMC conformity and approvals

| | | | |
|------------------------------------|--|---------------------------------|---|
| EMC standards | FCC Part 15, CISPR (EN55022) Class A, EN 61000-4-2 (ESE), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), Stage 3, EN 61000-4-5 (surge voltage), Stage 2, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11 | Explosive risk zone | UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2, Ex nC IIC |
| Free fall | IEC 60068-2-32 | Security | UL508, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1 |
| Ship use | DNV, GL | Shock resistance IEC 60068-2-27 | Available |
| Vibration resistance IEC 60068-2-6 | Available | | |

Environmental conditions

| | | | |
|-----------------------------|----------------------------|-----------------------------|-------|
| Humidity | 5 to 95 % (non-condensing) | Operating temperature, max. | 60 °C |
| Operating temperature, min. | 0 °C | Storage temperature, max. | 85 °C |
| Storage temperature, min. | -40 °C | | |

Fibre optic 100BaseFX

| | | | |
|---------------------------|----------|--------------------------------|---|
| Link budget multimode | 12 dB | Max. TX multi-mode | -10 dBm |
| Min. TX multi-mode | -20 dBm | Receive sensitivity multi-mode | -32 dBm |
| System reserve multi-mode | -6 dBm | Typical distances multi-mode | 5 km (50/125 µm, 800 MHz*km fibre optic cable), 4 km (62.5/125 µm, 500 MHz*km fibre optic cable) |
| Wavelength multi-mode | 1,300 nm | | |

Guarantee

| | |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

Interfaces

| | | | |
|-------------------|--|---------------|---|
| Alarm contact | 1 relay output with a current capacity of 1 A at 24 V DC | DIP switch | 100BaseFX full/half-duplex mode, Port surveillance |
| Fibre-optic ports | 100BaseFX ports (ST connector), Multimode | LED indicator | PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (Glasfaser-Port), FDX/COL (Fibre port) |
| Number of ports | 1x RJ45, 1 * ST Multimode | RJ45 ports | 10/100BaseT(X) |

MTBF

| | | | |
|------|-------------|------|------------------------|
| MTBF | 401,000 hrs | MTBF | MIL-HDBK-217F, GB 25°C |
|------|-------------|------|------------------------|

Erstellungs-Datum December 20, 2013 7:44:22 AM CET

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Technische Daten

Order data

| | | | |
|-----------------|----------------------------|-----------------------|---------------|
| Number of ports | 1x RJ45, 1 * ST Multi-mode | Operating temperature | 0 °C...+60 °C |
|-----------------|----------------------------|-----------------------|---------------|

Power supply

| | | | |
|-----------------|---|-----------------------------|----------------|
| Connection type | Removable terminal block | Current consumption | 0.16 A at 24 V |
| Input voltage | 24 V DC (12 to 48 V DC), 2 redundant inputs | Reverse polarity protection | Available |
| Supply voltage | 24 V DC, 2 redundant inputs | Turn-on current limit | 1.1 A |

Technical data

| | | | |
|-----------------------|---------------|-------------------|-------|
| Housing main material | metal | Protection degree | IP 30 |
| Type of mounting | Mounting rail | | |

Technology

| | |
|----------|---|
| Standard | IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX |
|----------|---|

Classifications

| | | | |
|------------|-------------|------------|-------------|
| eClass 6.2 | 19-17-01-06 | eClass 7.1 | 19-17-01-06 |
|------------|-------------|------------|-------------|

Approvals

Approvals



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

Downloads

| | |
|---------------------------|---|
| Package insert | Hardware Installation Guide |
| Declaration of Conformity | K4250213.pdf |
| | 3D Modell |