

**IE-MC-VLT-1TX-1SC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****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**

|            |                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------|
| Version    | Media converter, Fast Ethernet, Number of ports:<br>1x RJ45, 1 * SC Multi-mode, IP30, -40 °C...75 °C |
| Order No.  | <a href="#">1286880000</a>                                                                           |
| Type       | IE-MC-VLT-1TX-1SC                                                                                    |
| GTIN (EAN) | 4050118077599                                                                                        |
| Qty.       | 1 pc(s).                                                                                             |

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## Technical data

## Dimensions and weights

|                |           |                 |            |
|----------------|-----------|-----------------|------------|
| Depth          | 105 mm    | Depth (inches)  | 4.134 inch |
| Height         | 135 mm    | Height (inches) | 5.315 inch |
| Net weight     | 765 g     | Width           | 53.6 mm    |
| Width (inches) | 2.11 inch |                 |            |

## Temperatures

|                     |                            |                       |                |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C             | Operating temperature | -40 °C...75 °C |
| Humidity            | 5 to 95 % (non-condensing) |                       |                |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## EMC conformity and approvals

|               |                                                                                                                                                                                                                                                                                                           |                     |                                                                                   |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------|
| EMC standards | EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 V/m, IEC 61000-4-8, IEC 61000-4-11 | Explosive risk zone | UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc |
| Free fall     | According to IEC 60068-2-32                                                                                                                                                                                                                                                                               | Safety standard     | UL508, UL 60950-1, EN 60950-1                                                     |
| Ship use      | DNV-GL                                                                                                                                                                                                                                                                                                    | Shock               | according to IEC 60068-2-27                                                       |
| Vibration     | according to IEC 60068-2-6                                                                                                                                                                                                                                                                                |                     |                                                                                   |

## Environmental conditions

|                             |                            |                             |       |
|-----------------------------|----------------------------|-----------------------------|-------|
| Humidity                    | 5 to 95 % (non-condensing) | Operating temperature, max. | 75 °C |
| Operating temperature, min. | -40 °C                     | Storage temperature, max.   | 85 °C |
| Storage temperature, min.   | -40 °C                     |                             |       |

## Fibre optic transceiver characteristics

|                             |           |
|-----------------------------|-----------|
| Transmission rate           | 100 Mbps  |
| Transceiver type            | Multimode |
| Connector type              | SC-Duplex |
| Transmission distance, typ. | 5 km      |

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|             |            |          |
|-------------|------------|----------|
| Wavelength  | typ.       | 1,300 nm |
|             | Wavelength | TX       |
|             | min.       | 1,260 nm |
|             | max.       | 1,360 nm |
|             | Wavelength | RX       |
|             | min.       | 1,100 nm |
|             | max.       | 1,600 nm |
| Link-budget | 12 dB      |          |

## 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 (SC connector), Multimode                | LED indicator | PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (fibre-optic port), FDX/ COL (Fibre port) |
| Number of ports   | 1x RJ45, 1 * SC Multimode                                | RJ45 ports    | 10/100BaseT(X)                                                                       |

## MTBF

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

## Power supply

|                             |                                  |         |  |
|-----------------------------|----------------------------------|---------|--|
| Connection type             | 1 removable 6-pin terminal block |         |  |
| Current consumption         | Voltage                          | 12 V DC |  |
|                             | Current                          | 0.32 A  |  |
|                             | Voltage                          | 24 V DC |  |
|                             | Current                          | 0.16 A  |  |
| Overload current protection | 1.1 A                            |         |  |
| Reverse polarity protection | Available                        |         |  |
| Supply voltage, max.        | 45 V DC                          |         |  |
| Voltage supply              | 24 V DC, 2 redundant inputs      |         |  |
| Voltage supply range        | Voltage type                     | DC      |  |
|                             | Voltage, min.                    | 12 V    |  |
|                             | Voltage, max.                    | 45 V    |  |

## Technical data

|                       |               |                   |                                              |
|-----------------------|---------------|-------------------|----------------------------------------------|
| Housing main material | metal         | Protection degree | IP30                                         |
| Speed                 | Fast Ethernet | Type of mounting  | DIN rail, Panel (with optional mounting kit) |

## Technology

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

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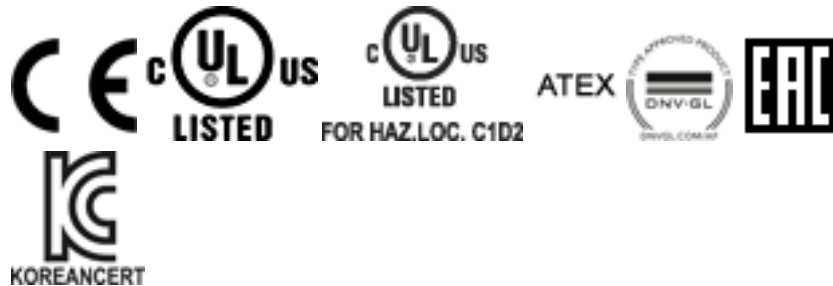
## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001467    | ETIM 7.0    | EC001467    |
| ECLASS 9.0  | 19-17-01-14 | ECLASS 9.1  | 19-17-01-14 |
| ECLASS 10.0 | 19-17-01-32 | ECLASS 11.0 | 19-17-01-32 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E230683 |

## Downloads

|                                             |                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DNV-GL certificate</a><br><a href="#">ATEX certificate</a><br><a href="#">KC certificate</a><br><a href="#">EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                     |
| User Documentation                          | <a href="#">Hardware Installation Guide</a>                                                                                                              |