



**Product information**  
**MM3-4TX1-RT-EEC**  
**943 955-001**

<b>Name</b>	
MM3-4TX1-RT-EEC	
	
Media module for MICE Switches (MS...), 100BASE-TX, support of PTP (IEEE1588)	
<b>Delivery informations</b>	
<b>Availability</b>	no longer available
<b>Product description</b>	
<b>Description</b>	Media module for MICE Switches (MS...), 100BASE-TX, support of PTP (IEEE1588)
<b>Port type and quantity</b>	4 x 10/100BASE-TX, TP cables, auto-crossing, auto-negotiation, auto-polarity
<b>Type</b>	MM3-4TX1-RT-EEC
<b>Order No.</b>	943 955-001
<b>Network size - length of cable</b>	
<b>Twisted pair (TP)</b>	0 -100 m
<b>Power requirements</b>	
<b>Operating voltage</b>	power supply via the backplane of the MICE switch
<b>Power consumption</b>	1 W
<b>Service</b>	
<b>Diagnostics</b>	LEDs (power, link status, data, 100 Mbit/s, auto-negotiation, full duplex, ring port, LED test)
<b>Other services</b>	support of PTP (IEEE1588) precision between 2 modules <80ns
<b>Ambient conditions</b>	
<b>Operating temperature</b>	-40 °C to +70 °C
<b>Storage/transport temperature</b>	-40 °C to +70 °C
<b>Protective paint on PCB</b>	optional
<b>Relative humidity (non-condensing)</b>	10% to 95%
<b>MTBF</b>	43,2 Jahre; MIL-HDBK 217F: Gb 25 °C
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	38 mm x 134 mm x 118 mm
<b>Mounting</b>	Backplane
<b>Weight</b>	180 g
<b>Protection class</b>	IP20
<b>Mechanical stability</b>	
<b>IEC 60068-2-27 shock</b>	15 g, 11 ms duration, 18 shocks
<b>IEC 60068-2-6 vibration</b>	1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	6 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80 - 1000 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 1 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
<b>EN 61000-4-6 conducted immunity</b>	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC CFR47 Part 15 Class A
<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508
<b>Hazardous locations</b>	ISA 12.12.01 Class 1 Div. 2 (pending)
<b>Railway norm</b>	EN 50121-4 (pending), EN50155 (pending)

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.