




**Product information**  
**M1-8SM-SC**  
**943 970-201**

<b>Name</b>	
M1-8SM-SC	
	
8 x 100BaseFX Singlemode DSC port media module for modular, managed, Industrial Workgroup Switch MACH102	
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	8 x 100BaseFX Singlemode DSC port media module for modular, managed, Industrial Workgroup Switch MACH102
<b>Type</b>	M1-8SM-SC
<b>Order No.</b>	943 970-201
<b>Network size - length of cable</b>	
<b>Single mode fiber (SM) 9/125 µm</b>	0 - 32,5 km, 16 dB Link Budget at 1300 nm, A = 0,4 dB/km, 3 dB Reserve, D = 3,5 ps/(nm x km)
<b>Power requirements</b>	
<b>Power consumption</b>	10 W
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C ... 50 °C
<b>Storage/transport temperature</b>	-20 °C ... 85 °C
<b>Relative humidity (non-condensing)</b>	10 % ... 95 %
<b>MTBF</b>	72.54 years (MIL-HDBK-217F)
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	138 x 90 x 42
<b>Mounting</b>	Media Module
<b>Weight</b>	180 g
<b>Protection class</b>	IP20
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	4 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80-2700 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 4 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (line/earth), 1 kV (line/line), 4 kV data line
<b>EN 61000-4-6 conducted immunity</b>	10 V (150 kHz-80 MHz)
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC 47 CFR 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>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Media module, user manual