




Product information M-FAST SFP-LH/LC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-LH/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39848/en/conf/ui/state>

Name	M-FAST SFP-LH/LC
	
	SFP Fiberoptic Fast-ETHERNET Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-ETHERNET Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-LH/LC
Order No.	943 868-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (LH) 9/125 µm (long haul transceiver)	47 - 104 km 10 - 29 dB link budget bei 1550 nm A = 0.25 dB/km, 2 dB Reserve, D = 19 ps/(nm x km)
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	0°C to +60°C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	367 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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 oktave/min.; 1 g, 9 Hz - 150 Hz, 10 cycles, 1 oktave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	n/a
Shipbuilding	Germanischer Lloyd
Scope of delivery and accessories	
Scope of delivery	-



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Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-LH/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39848/en/conf/uistate>

Accessories to order separately

SFP module

For more information please contact:

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Product information M-FAST SFP-LH/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-LH/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40592/en/conf/ui/state>

Name	M-FAST SFP-LH/LC EEC
	
	SFP Fiberoptic Fast-Ethernet Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-Ethernet Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-LH/LC EEC
Order No.	943 948-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (SM) 9/125 µm	-
Single mode fiber (LH) 9/125 µm (long haul transceiver)	47 - 104 km 10 - 29 dB link budget at 1550 nm A = 0.25 dB/km, 2 dB Reserve, D = 19 ps/(nm x km)
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	-40 °C to +85 °C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	367 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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 Oktave/min.; 1g, 9 Hz - 150 Hz, 10 cycles., 1 octave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	cUL 60950-1
Shipbuilding	Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-LH/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40592/en/conf/uistate>

Scope of delivery and accessories

Scope of delivery	-
Accessories to order separately	SFP module

For more information please contact:

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Product information M-FAST SFP-MM/LC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-MM/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39857/en/conf/ui/istate>

Name	M-FAST SFP-MM/LC
	
	SFP Fiberoptic Fast-ETHERNET Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-ETHERNET Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-MM/LC
Order No.	943 865-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	0 - 5000 m 0 - 8 dB link budget bei 1310 nm A = 1 dB/km, 3 dB Reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m 0 - 11 dB link budget bei 1310 nm A = 1 dB/km, 3 dB Reserve, B = 500 MHz*km
Single mode fiber (SM) 9/125 µm	-
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% bis 95%
MTBF	514 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz - 13,2 Hz, 90 min.; 0,7 g, 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.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Shipbuilding	Germanischer Lloyd
Scope of delivery and accessories	
Scope of delivery	-



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Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-MM/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39857/en/conf/uistate>

Accessories to order separately

SFP modules

For more information please contact:

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Product information M-FAST SFP-MM/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-MM/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40589/en/conf/ui/istate>

Name	M-FAST SFP-MM/LC EEC
	
	SFP Fiberoptic Fast-ETHERNET Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-ETHERNET Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-MM/LC EEC
Order No.	943 945-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	0 - 5000 m 0 - 8 dB link budget at 1310 nm A = 1 dB/km, 3 dB Reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m 0 - 11 dB link budget at 1310 nm A = 1 dB/km, 3 dB Reserve, B = 500 MHz*km
Single mode fiber (SM) 9/125 µm	-
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	-40 °C to +85 °C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	514 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	cUL 60950-1
Shipbuilding	Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA



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Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-MM/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40589/en/conf/uistate>

Scope of delivery and accessories

Scope of delivery	-
Accessories to order separately	SFP module

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Product information M-FAST SFP-SM/LC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39856/en/conf/ui/state>

Name	M-FAST SFP-SM/LC
	
	SFP Fiberoptic Fast-ETHERNET Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-ETHERNET Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-SM/LC
Order No.	943 866-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (SM) 9/125 µm	0 - 25 km 0 - 13 dB link budget at 1310nm A = 0.4 dB/km, 3 dB Reserve, B = 800 MHz x km
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	0°C to +60°C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	652 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Shipbuilding	Germanischer Lloyd
Scope of delivery and accessories	
Scope of delivery	-

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39856/en/conf/ui.state>

Accessories to order separately

SFP module

For more information please contact:

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Product information M-FAST SFP-SM/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40590/en/conf/ui/state>

Name	M-FAST SFP-SM/LC EEC
	
	SFP Fiberoptic Fast-Ethernet Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-Ethernet Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-SM/LC EEC
Order No.	943 946-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (SM) 9/125 µm	0 - 25 km 0 - 13 dB link budget bei 1310nm A = 0.4 dB/km, 3 dB Reserve, B = 800 MHz x km
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	-40 °C to +85 °C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	652 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	cUL 60950-1
Shipbuilding	Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40590/en/conf/uistate>

Scope of delivery and accessories

Scope of delivery	-
Accessories to order separately	SFP module

For more information please contact:

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Product information M-FAST SFP-SM+/LC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM+/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39849/en/conf/ui/state>

Name	M-FAST SFP-SM+/LC
	
	SFP Fiberoptic Fast-ETHERNET Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-ETHERNET Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-SM+/LC
Order No.	943 867-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (SM) 9/125 µm	25 - 65 km 10 - 29 dB link budget at 1310nm A = 0.4 dB/km, 3 dB Reserve, B = 800 MHz x km
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	639 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz - 13,2 Hz, 90 min.; 0.7 g, 13,2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	cUL 60950-1
Shipbuilding	Germanischer Lloyd, ABS, BV, DNV, LR, KR, RINA

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM+/LC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-39849/en/conf/uistate>

Scope of delivery and accessories

Scope of delivery	-
Accessories to order separately	SFP module

For more information please contact:

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Product information M-FAST SFP-SM+/LC EEC

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM+/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40591/en/conf/ui/state>

Name	M-FAST SFP-SM+/LC EEC
	
	SFP Fiberoptic Fast-ETHERNET Transceiver
Delivery informations	
Availability	available
Product description	
Description	SFP Fiberoptic Fast-ETHERNET Transceiver
Port type and quantity	1 x 100 BASE-FX with LC connector
Type	M-FAST SFP-SM+/LC EEC
Order No.	943 947-001
Network size - length of cable	
Multimode fiber (MM) 50/125 µm	-
Multimode fiber (MM) 62.5/125 µm	-
Single mode fiber (SM) 9/125 µm	25 - 65 km 10 - 29 dB link budget bei 1310nm A = 0.4 dB/km, 3 dB Reserve, B = 800 MHz x km
Single mode fiber (LH) 9/125 µm (long haul transceiver)	-
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Service	
Diagnostics	optical input- and output power, transceiver temperature
Ambient conditions	
Operating temperature	-40 °C to +85 °C
Storage/transport temperature	-40°C to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	639 years; Telcordia SR-332
Mechanical construction	
Dimensions (W x H x D)	20 mm x 18 mm x 50 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Shipbuilding	Germanischer Lloyd
Scope of delivery and accessories	
Scope of delivery	-



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Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-SM+/LC EEC

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-40591/en/conf/uistate>

Accessories to order separately

SFP module

For more information please contact:

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Product information M-FAST SFP-TX/RJ45 - M-FAST SFP-TX/RJ45

Industrial Ethernet: System Accessories: Fiberoptic Transceiver: SFP Fast-Ethernet Transceiver for media module: M-FAST SFP-TX/RJ45

<http://www.e-catalog.beldensolutions.com/link/57078-24455-24544-24535-24528-373355/en/conf/uisstate>

Name	M-FAST SFP-TX/RJ45
	
	SFP TX Fast Ethernet Transceiver for Switch RSP only port 1/2 and PRP (Parallel Redundancy Protocol), 100 Mbit/s full duplex auto neg. fixed, cable crossing not supported
Delivery informations	
Availability	available
Product description	
Description	SFP TX Fast Ethernet Transceiver for Switch RSP only port 1/2 and PRP (Parallel Redundancy Protocol), 100 Mbit/s full duplex auto neg. fixed, cable crossing not supported
Port type and quantity	1 x 100BASE-T with RJ45-socket
Type	M-FAST SFP-TX/RJ45
Order No.	942 098-001
Replaced by	M-FAST SFP-TX/RJ45 EEC
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Power requirements	
Operating voltage	power supply via the switch
Power consumption	1 W
Ambient conditions	
Operating temperature	0 °C ... +60 °C
Storage/transport temperature	-40°C ... +85°C
Relative humidity (non-condensing)	10% ... 95%
MTBF	67 years (Telcordia GR-468-CORE)
Mechanical construction	
Dimensions (W x H x D)	14 mm x 14 mm x 70 mm
Mounting	SFP slot
Weight	40 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of information technology equipment	cUL 60950-1
Scope of delivery and accessories	
Scope of delivery	SFP module



HIRSCHMANN

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