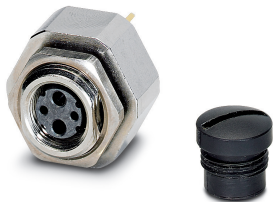


FO transceiver - SACFO-T-MNNA-M16-1300-S - 1416729

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M12 FO transceiver, duplex, wavelength: 1300 nm for 125 Mbps, for GOF fiber, for PCB mounting, M16 fastening thread, with sealing cap, including I²C interface for transceiver monitoring and management

M12 OPTIC transceiver for GOF MM

Product Description

M12 OPTIC transceiver, 1300 nm, 125 Mbps

Your advantages

- ✓ for data rates of up to 125 Mbps
- ✓ robust metal housing
- ✓ Pin connector pattern in accordance with DIN/IEC 61754-27
- ✓ I²C management interface
- ✓ Signal Detect (SD) output
- ✓ PECL inputs/outputs
- ✓ -19 dBm output power
- ✓ -30 dBm receiver sensitivity



Key Commercial Data

Packing unit	1
GTIN	 4 046356 480826
GTIN	4046356480826
Custom tariff number	85414090

Technical data

Mechanical characteristics

Connection method	M12
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FO transceiver - SACFO-T-MNNA-M16-1300-S - 1416729

Technical data

Mechanical characteristics

Number of slots	2
Weight	47.5 g
Flammability rating according to UL 94	V0

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-5 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Material data

Housing material	Metal
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Standards and Regulations

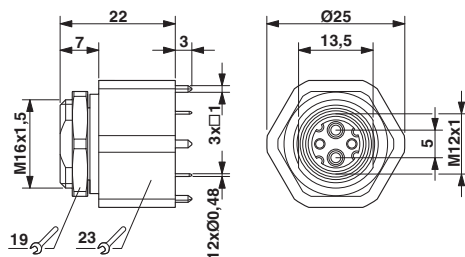
Flammability rating according to UL 94	V0
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

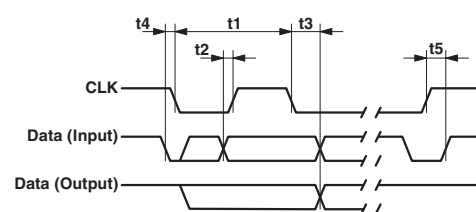
Drawings

Dimensional drawing



Housing dimensions

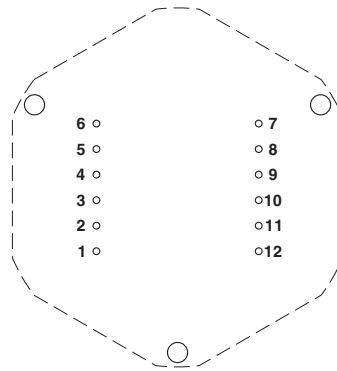
Diagram



I2C bus timing

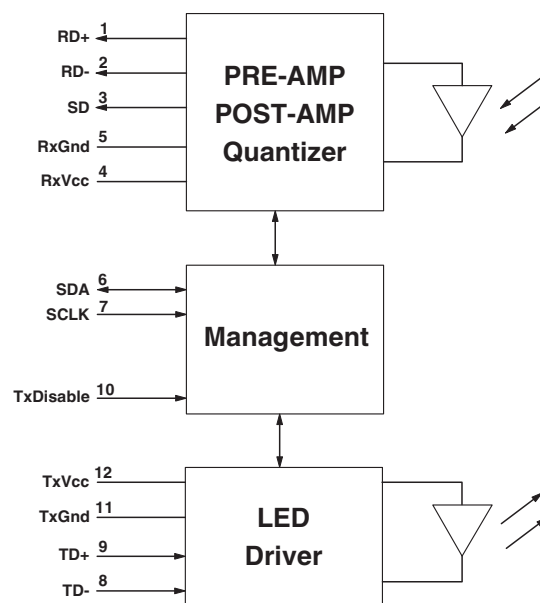
FO transceiver - SACFO-T-MNNA-M16-1300-S - 1416729

Schematic diagram



Pin assignment, component mounting side view

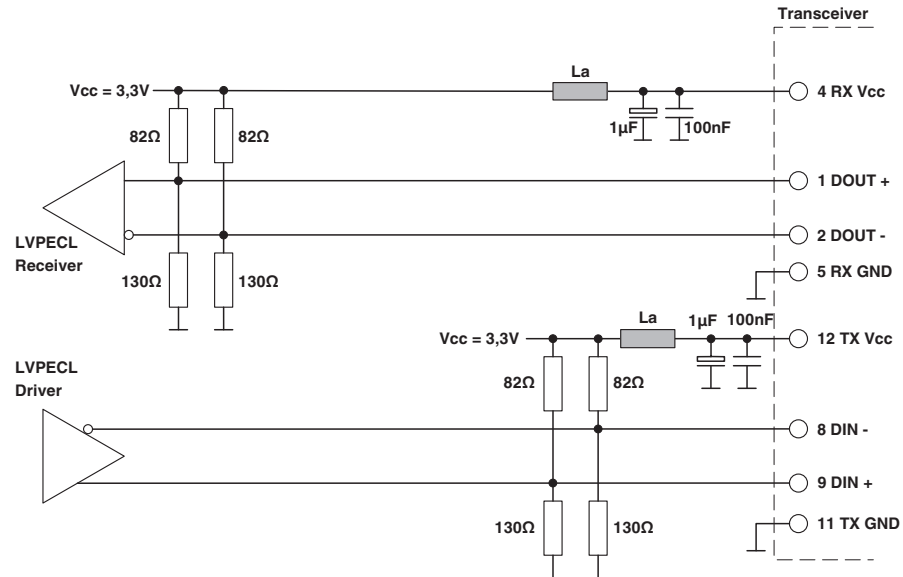
Block diagram



Transceiver block diagram

FO transceiver - SACFO-T-MNNA-M16-1300-S - 1416729

Circuit diagram



External wiring of the transceiver.

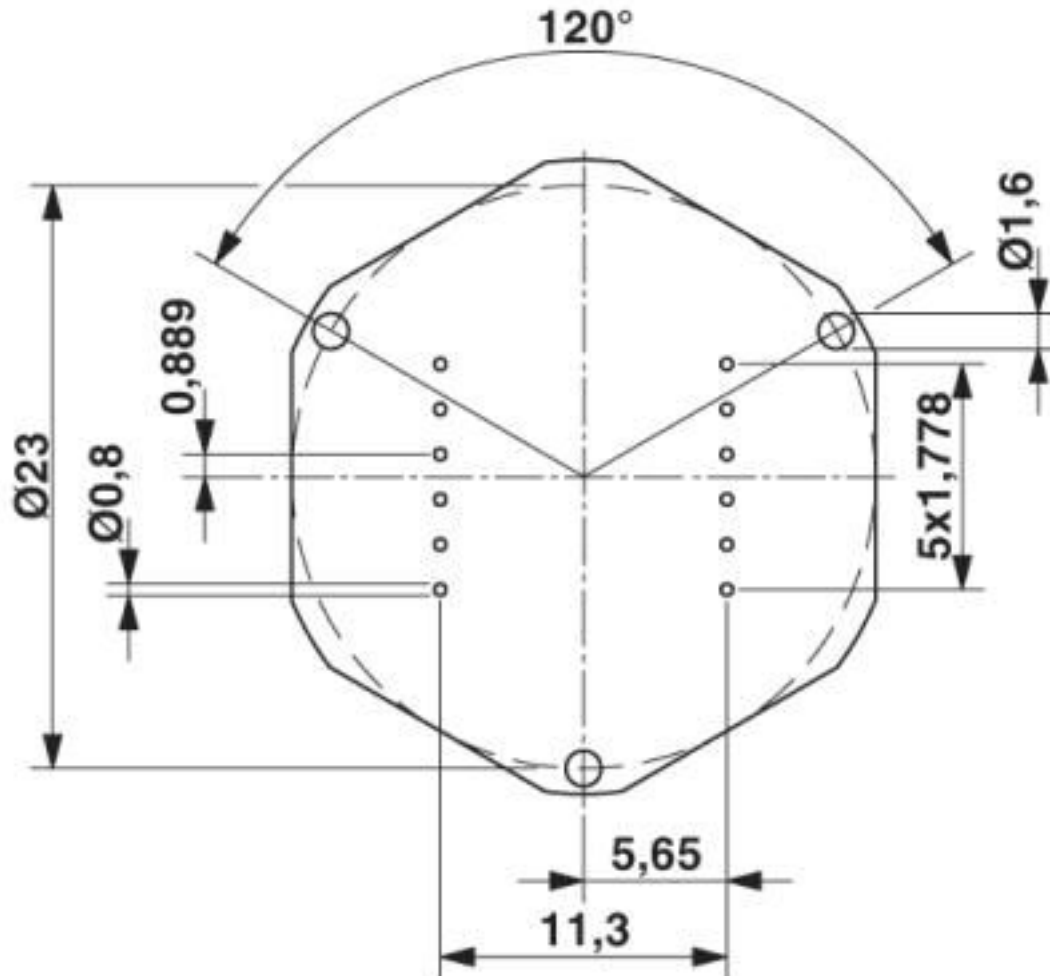
Ferrite coil La:

Typical impedance of 120 Ohm at 100 MHz,

Maximum DC resistance of 0.15 Ohm at 200 mA

FO transceiver - SACFO-T-MNNA-M16-1300-S - 1416729

Drilling diagram



Drilling diagram

Classifications

eCl@ss

eCl@ss 10.0.1	19170122
eCl@ss 11.0	19170122
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700

FO transceiver - SACFO-T-MNNA-M16-1300-S - 1416729

Classifications

eCl@ss

eCl@ss 7.0	27440312
eCl@ss 9.0	19170122

ETIM

ETIM 3.0	EC001122
ETIM 4.0	EC001122
ETIM 6.0	EC001122
ETIM 7.0	EC001122

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	43223310
UNSPSC 18.0	43223310
UNSPSC 19.0	43223310
UNSPSC 20.0	43223310
UNSPSC 21.0	43223310