Optical Data Communication— ODC300

Description:

Optical data transmission does not require line connections, allowing for simple, low-cost, fast, and flexible transmission of data to terminal devices. Fast Ethernet without protocols can perform high-speed broadband transmission without any problems, with transmission speeds up to 100Mbit/s.

Features:

- OLED digital display and button adjustment
- Red laser light and infrared laser light
- Transmission rate: 100 Mbit/s

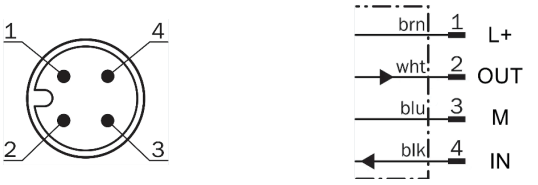
Type:

Mode	Detection distance	Light source	Output	Interface	Connection
ODC300-T120 (A+B)	0.3...120m	Red Laser+Infrared laser	PNP/NPN	Ethernet	M12 connector
ODC300-120ACBEN6Q12	0.3...120m	Red Laser	PNP/NPN	Ethernet	M12 connector
ODC300-120BCBEN6Q12	0.3...120m	Infrared laser	PNP/NPN	Ethernet	M12 connector

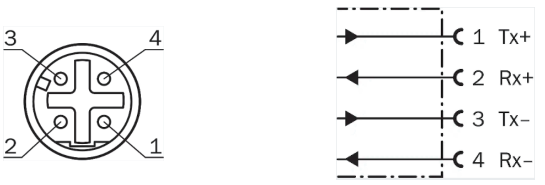
Technical Data:

Supply voltage	DC 18 ... 30 V
Light source	Red Laser (660nm)、Infrared laser (780nm)
Laser class	Class 1
Divergence angle	1 ° (Emitter) ,1.5 ° (Receiver)
Spot size	1.75 m @100 m
Input	Number of digital switch inputs: 1
Output	Number of digital switch outputs: 1，PNP/NPN/PP,Can be manually set
Interface	Main types: PROFINET
	Transport Protocol: PROFINET、EtherCAT、PROFIsafe、TCP/IP
	Common types: EtherNet TCP/IP, PROFINET
Transmission rate	Ethernet、Profinet（100 Mbit/s）
Number of interfaces	2xM12 Connector
Display	OLED
Input operation	Keys
Housing material	Shell：Aluminium alloy；Window：Glass
Storage temperature	-35 ... 70 °C
Ambient temperature	-20 ... 50 °C
Protection class	IP65
Dimensions	100 mm x 156 mm x 110 mmmm

Wiring:

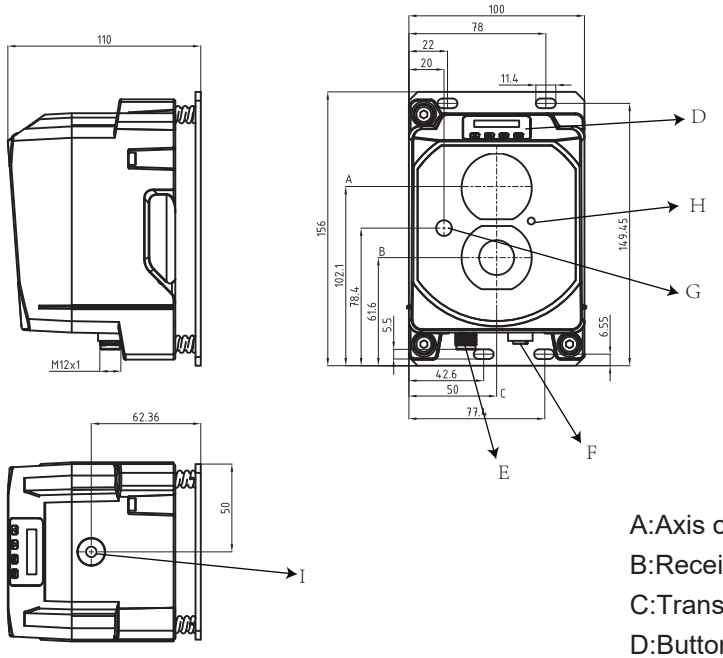


Type of power connector



Type of Ethernet connector

Dimensions:



A:Axis of transmitter
B:Receiver Axis
C:Transmitter and receiver axis
D:Button display screen
E:Power interface M12, 4-pin
F:EthernetM12,4 holes
G:Calibration Laser
H:Status indicator light
I:Optical alignment auxiliary equipment