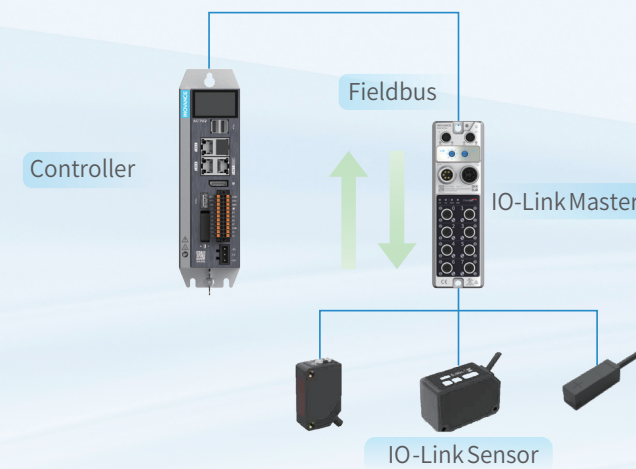


Product family overview

Two-way communication

- Sensors with an IO-Link interface can send data& status and receive parameters to the controller through the IO-Link Master, making it easier to save and modify parameters, which make it easy sensor replacement and quick parameters modification



- Efficient wiring with standardized cables

- Power supply and signals are routed through the same cable



■ Up to IP67, stringent standards for reliability

- Compliant with IEC-61131-2 standard
- Ambient temperature range: -25°C ~70°C
- Material shell adopts alloy

[illegible]

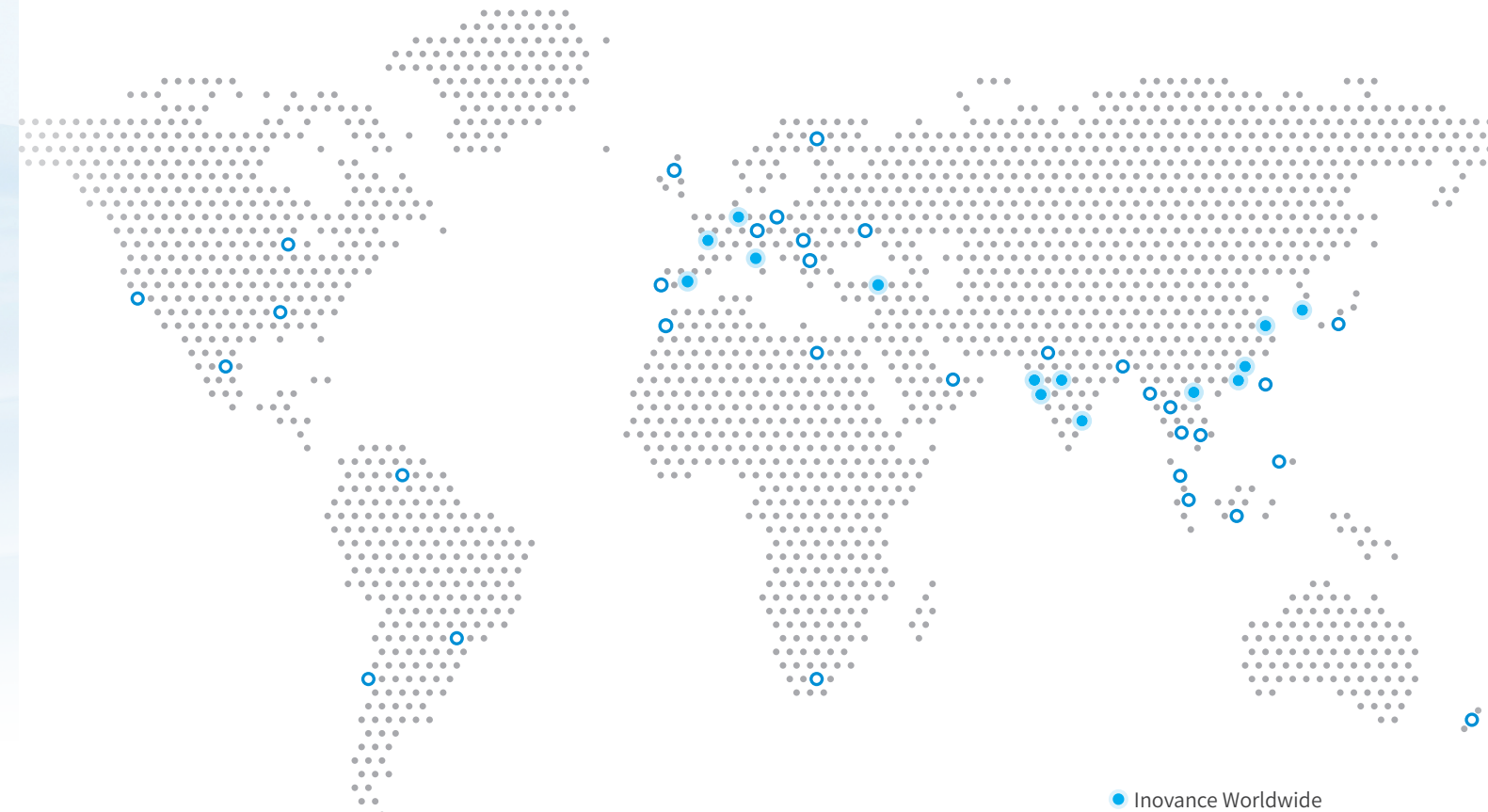
- Function improves easy fault tracing

- Over 20 types of diagnostic information*
- ID recognition function for quick error
- Real time faults visualization

*Note: system requirements Codesys-based PLC



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Shenzhen Inovance Technology Co., Ltd.
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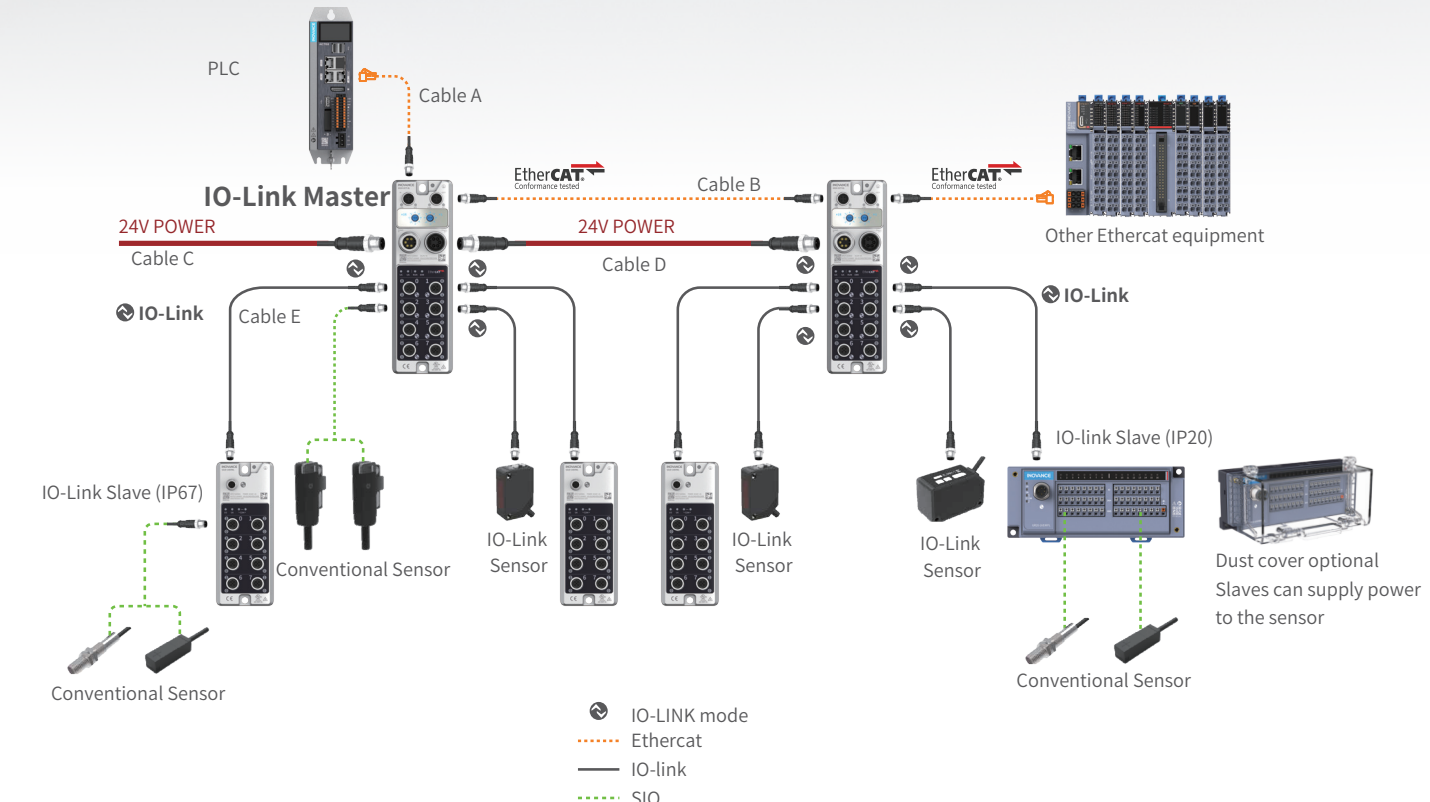
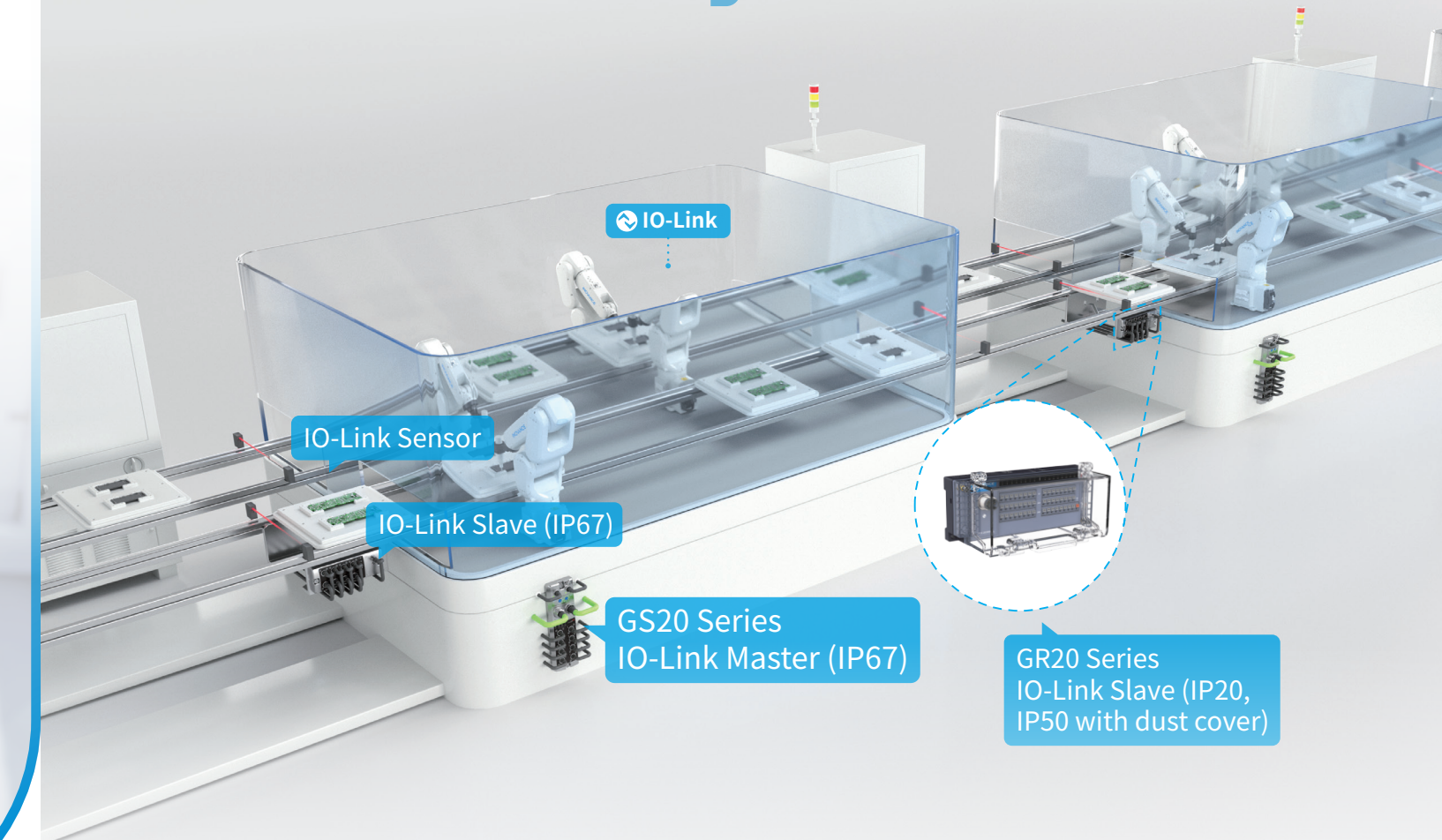
GS20 & GR20 Series IO-Link modules

Operation outside the cabinet, efficient wiring, designed for reliability



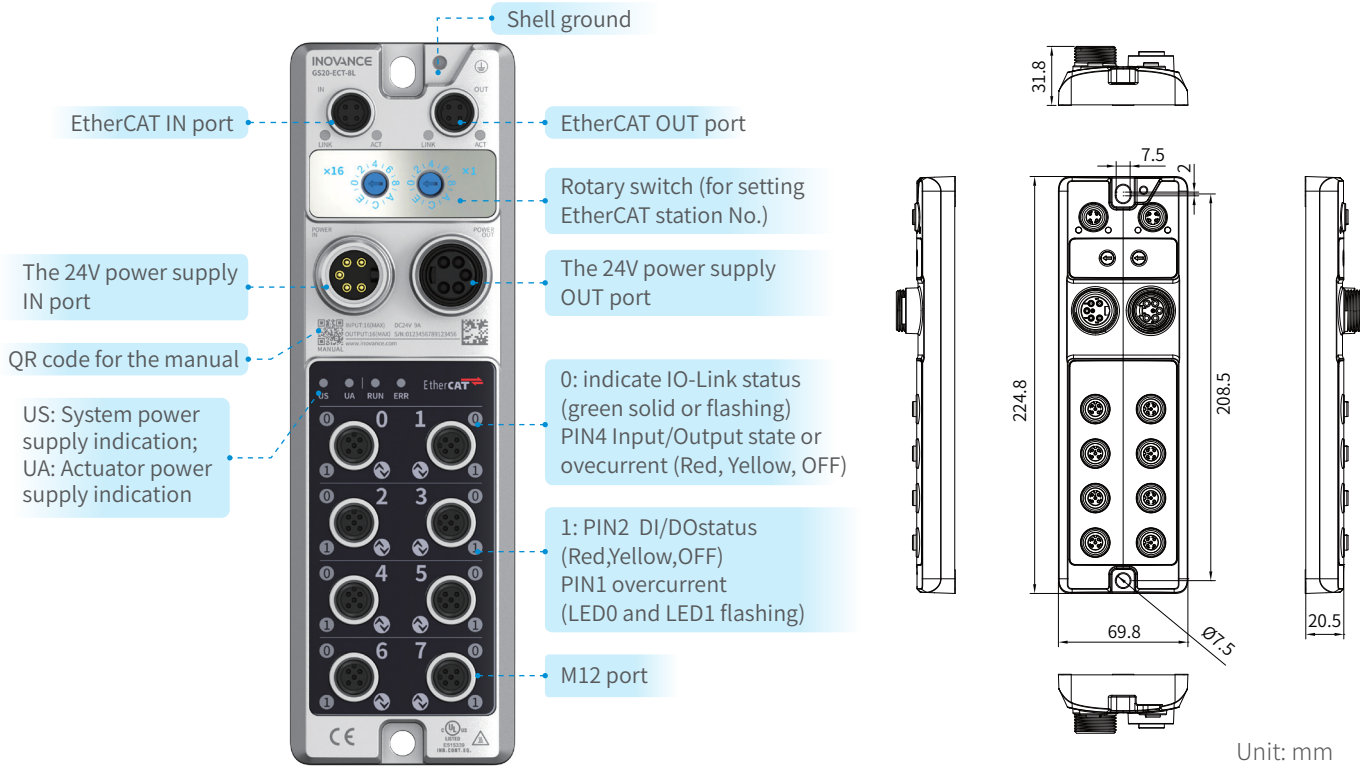
Features & functions

- Up to IP67, installation & operation outside the cabinet
- Standardized interface & flexible/stable data exchange
- IO-Link communication (IEC61131-9)
- Nearby installation without extra wiring



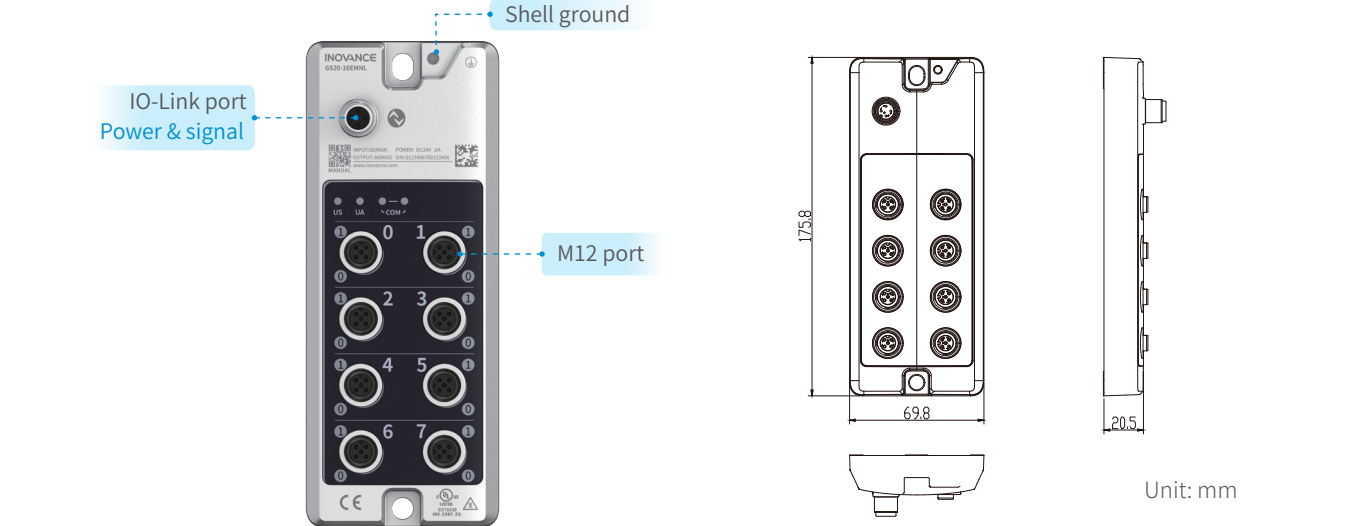
Specifications

IO-Link Master GS20



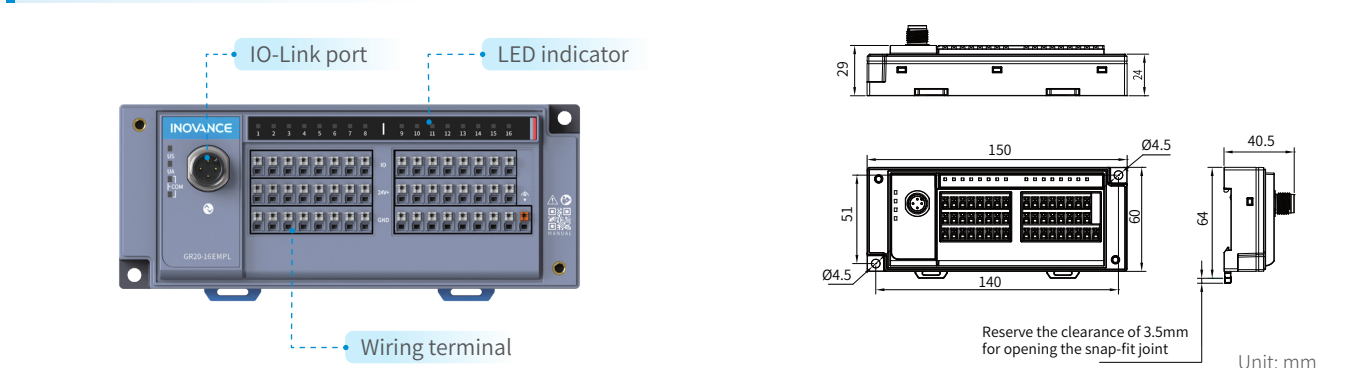
Model	GS20-ECT-8L-INT
Protocol	EtherCAT
Size(H×W×D)	224.8×69.8×20.5 mm
IO-Link Version	V1.1
IO-Link transmission rate	COM1 (4.8kbaud) ; COM2 (38.4kbaud) ; COM3 (230.4kbaud)
IO-Link port	CLASS A × 8
Current	Maximum 2A / point in SIO mode
Power Supply	24V DC
EtherCAT connection port	4 pin M12 D-code
IO-Link signal port	5 pin M12 A-code
Protection	IP67
Temperature range	-25°C ~+70°C
Diagnose	Power supply detection, overvoltage and low voltage alarm Communication status alarm Chip temperature alarm, etc

IO-Link Slaves GS20



Model	GS20-16EMNL-INT	GS20-16EMPL-INT
Protocol	IO-Link V1.1	
Size(H×W×D)	170×70×20.5 mm	
IOs	16 channels digital IOs (2 in 1 M12 port)	
IO-Link port	4 pin M12 A-code	
IO-Link signal port	5 pin M12 A-code	
Output type	NPN, with a max current 500mA /channel	PNP, with a max current 500mA /channel
Digital input	NPN	PNP
Power Supply	24V DC	
Protection	IP67	
Temperature range	-25°C ~70°C	
Diagnose	Low voltage, report diagnostic information, etc.	

IO-Link Slaves GR20



Model	GR20-16EMNL-INT	GR20-16EMPL-INT
Protocol	IO-Link V1.1	
Size(H×W×D)	150×60×29 mm	
IOs	16	
IO-Link port	4 pin M12 A-code	
Output type	NPN, with a max current 500mA /channel	PNP, with a max current 500mA /channel
Digital input	NPN	PNP
Power Supply	24V DC	
Protection	IP20 (IP50 with a dust prevention cover)	
Temperature range	-25°C ~+55°C	
Diagnose	Low voltage, report diagnostic information, etc.	

Accessories

Model	Appearance	Description	Length (m)
CAB-RJ45-M12DMS4-3		EtherCAT cable, M12 (D-code), 1* male straight head - 1*RJ45 port, PLC network port connected to EtherCAT communication cable of the master	3
CAB-RJ45-M12DMS4-5			5
CAB-RJ45-M12DMS4-8			8
CAB-RJ45-M12DMS4-10			10
CAB-RJ45-M12DMS4-15			15
CAB-M12AMS4-M12AFL4-3		IO-Link cable, 4 pin M12(A-code), 1* male straight head - 1* female elbow, used for connecting IO-Link master to IO-Link substation	3
CAB-M12AMS4-M12AFL4-5			5
CAB-M12AMS4-M12AFL4-8			8
CAB-M12AMS4-M12AFL4-10			10
CAB-M12AMS4-M12AFL4-15			15
CAB-M12AMS4-M12AFL4-3-T-taiyo		IO-Link cable, M12 A-Code, 4 pin, 1* male straight head - 1* female elbow, With drag chain - Taiyo, used for connecting the IO-Link master to the IO-Link substation (flexible cable, bendable 3-5 million times)	3
CAB-M12AMS4-M12AFL4-5-T-taiyo			5
CAB-M12AMS4-M12AFL4-8-T-taiyo			8
CAB-M12AMS4-M12AFL4-10-T-taiyo			10
CAB-M12AMS4-M12AFL4-15-T0-taiyo			15
CAB-7/8FL5-7/8MLS-3		7/8" power supply cable, 5 pin, 1* male elbow - 1* female elbow, used for cascading of multiple IO-Link master power supplies	3
CAB-7/8FL5-7/8MLS-5			5
CAB-7/8FL5-7/8MLS-8			8
CAB-7/8FL5-7/8MLS-10			10
CAB-7/8FL5-7/8MLS-15			15
CAB-M12DMS4-M12DMS4-3		EtherCAT cable, M12 (D-code), 2* male straight head, with shielded layer, for cascading multiple IO-Link masters (EtherCAT cascaded)	3
CAB-M12DMS4-M12DMS4-5			5
CAB-M12DMS4-M12DMS4-8			8
CAB-M12DMS4-M12DMS4-10			10
CAB-M12DMS4-M12DMS4-15			15
CAB-7/8FL5-3		7/8" power supply cable, 5 pin, 1* female elbow, used to power the master	3
CAB-7/8FL5-5			5
CAB-7/8FL5-8			8
CAB-7/8FL5-10			10
CAB-7/8FL5-15			15

Model	Appearance	Description	Length (m)
CON-M12AFS4		4 pin, female straight connector, connected directly	-
CON-M12AFL4		4 pin, female elbow connector, connected directly	-
CON-M12AMS5		5 pin, male straight connector, connected directly	-
CON-M12AML5		5 pin, male elbow connector, connected directly	-
CON-M12AMS5-YF5		Y-type M12 connector, used for master class A to class B	-
GR20-FCZ series dust cover		Used with GR20 series modules, 150*75.5*70mm	-