

MASTER COMMUNICATION MODULE

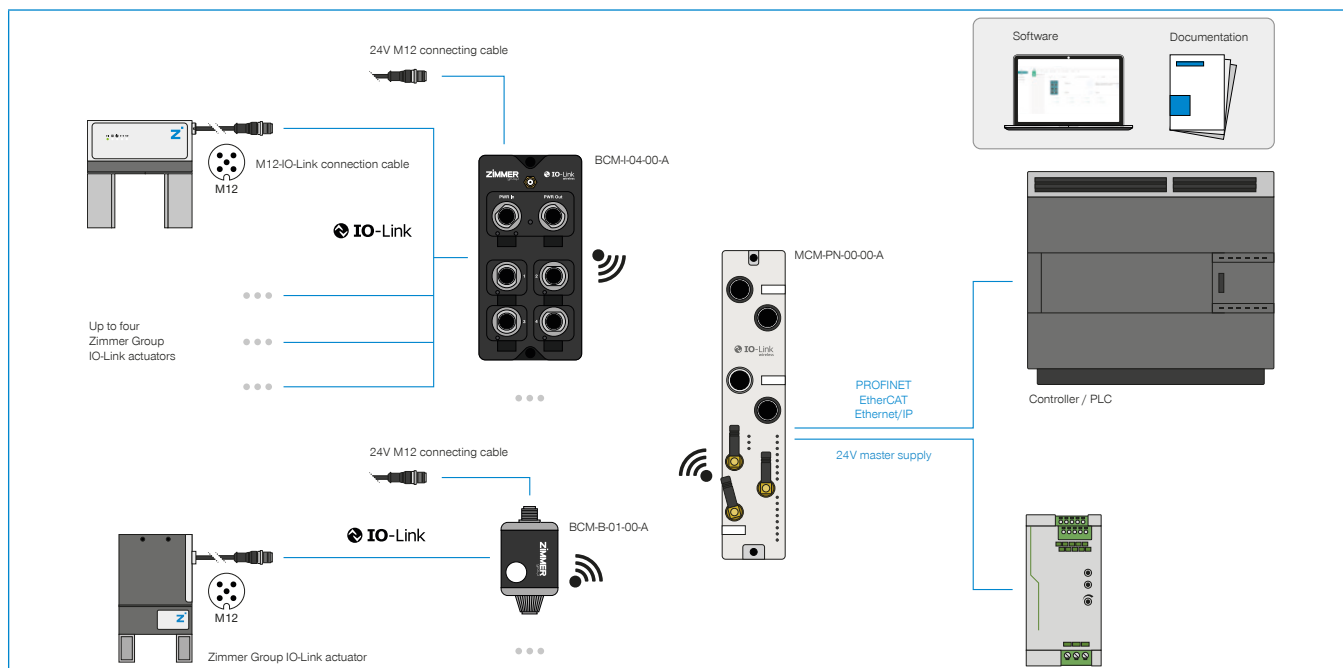
MCM-PN-00-00-A

► PRODUCT SPECIFICATIONS



- All Zimmer Group IO-Link components can be used, regardless of the structure of the existing robot / system base
- No complex cable routing through the robot or system (slip rings, contact elements etc. not required)
- No source of error due to moving data cable (mechanical obstacle, broken wire) wearing part eliminated
- Wireless range of point-to-point communication up to 10 m, up to 30 m with unobstructed view
- 8 advanced grippers, 16 basic grippers or 16 digital devices
- Industrial design
- IP67 certified
- Secure and reliable communication thanks to redundant signals and a maximum packet data error rate of 10^{-9}

► DEVICE CONNECTIVITY



► RECOMMENDED ACCESSORIES



CONNECTIONS / OTHER



CSTE01604

Straight connecting cable 2 m - M12 female connector, 5-pin, L-coded



CSTE01877

Straight connection cable 5 m - M12 female connector, 5-pin, L-coded



CONNECTIONS / OTHER



CSTE01605

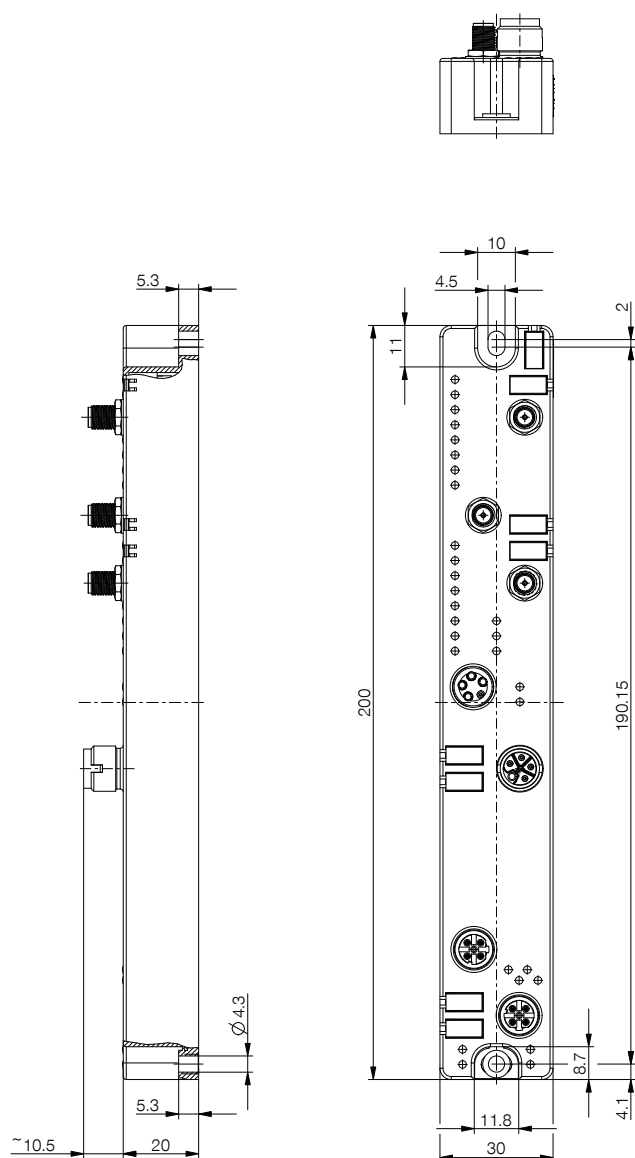
Straight connecting cable 2 m - M12 / RJ45 plug, 4-pin, D-coded



CELE03175

TigoEngine

► Technical Data	
Order no.	MCM-PN-00-00-A
Control	Profinet
Number of grippers, max.	16
IO-Link class	Class A/B
IO-Link version	1.1
Frequency range [GHz]	2.4
Antenna	SMA screw connector
Number of antennas [piece]	3
Supply voltage [V DC]	18 ... 32
Supported transmission protocol	COM 3
Mounting options	Screw mounting
Operating temperature [°C]	-25 ... +70
Certifications	UL / CE / UKCA / LABS / REACH / RoHS
Protection to IEC 60529	IP67
Weight [g]	227



X21	PIN	SIGNAL
	1	1L+
	2	2L-
	3	1L-
	4	2L+
	5	FE
X22	PIN	SIGNAL
	1	1L+
	2	2L-
	3	1L-
	4	2L+
	5	FE
X31	PIN	SIGNAL
	1	TX+
	2	RX+
	3	TX-
	4	RX-
X32	PIN	SIGNAL
	1	TX+
	2	RX+
	3	TX-
	4	RX-