

# MASTER COMMUNICATION MODULE

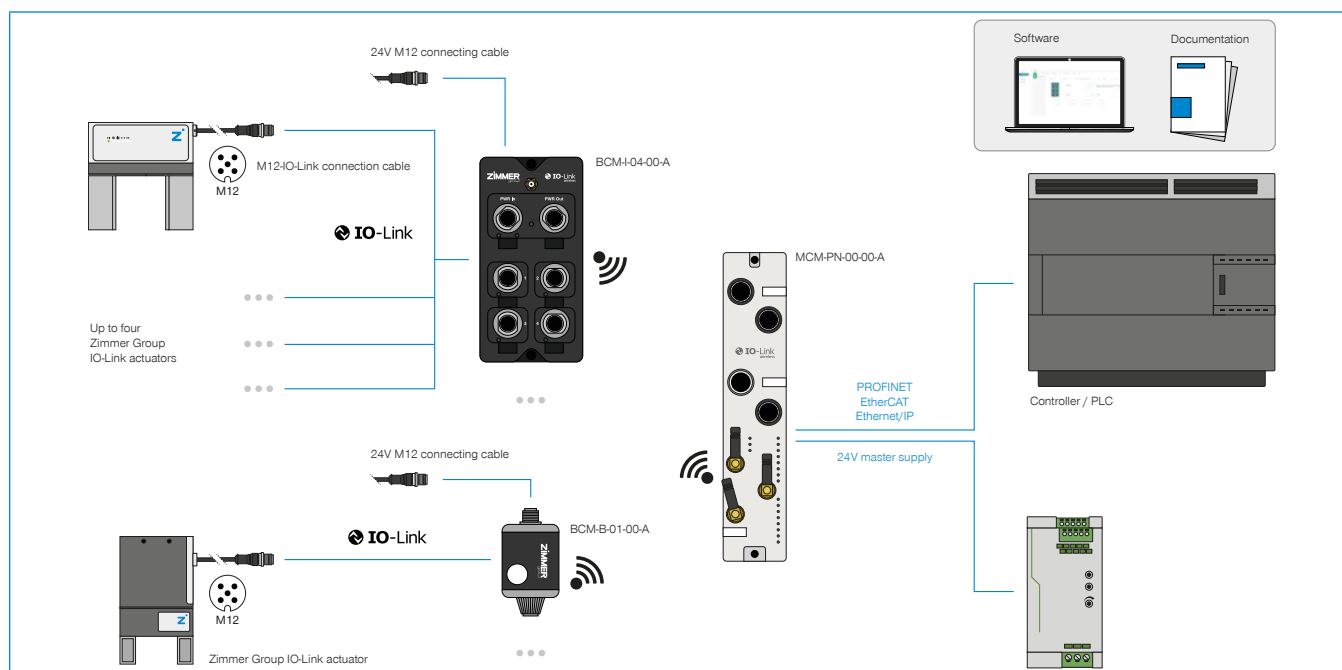
## MCM-PN-00-00-A

### ► 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 socket, 5-pin, L-coded



**CSTE01877**

Straight connection cable 5 m - M12 socket, 5-pin, L-coded



#### CONNECTIONS / OTHER



**CSTE01605**

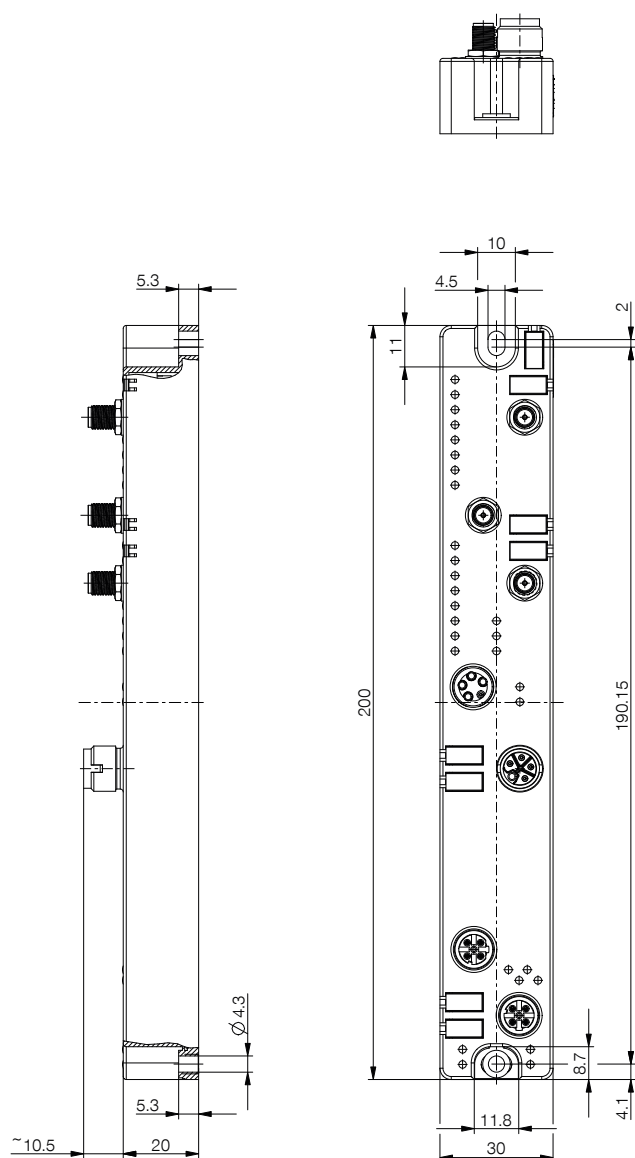
Straight connecting cable 2 m - M12 / RJ45 plug, 4-pin, D-coded



**CELE03175**

TigoEngine

► Technical Data	
<b>Order no.</b>	<b>MCM-PN-00-00-A</b>
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
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-