



IO-Link

# Increased IO-Link range with new repeaters!



IO-Link accessories



**IO-Link range increased up to 240 m\***

**Series connection of max. 3 repeaters possible**

**Perfectly suited for use in the food industry**

**Easy set-up thanks to plug & play, no configuration necessary**

**Transparent to all certified IO-Link masters**



## IO-Link sensors in the field

In many installations, sensors have to be installed far away from their connection point. Since IO-Link has only a guaranteed range of 20 m, high additional costs can incur if longer ranges are required. Using the IO-Link repeater E30444, this distance can be increased\*, which reduces costs significantly. To do so, the IO-Link repeaters are simply installed in series into the cable, depending on the application and the requested range.

The maximum range\* depends on the type of transmission, the cable cross-section and the current consumption of the connected device. The IO-Link repeater is transparent to masters and functions manufacturer-independently on all certified IO-Link masters. SIO operation is not possible with the IO-Link repeater. The process data are delayed by up to one cycle, acyclic data are delayed by up to two cycles per repeater.



## Accessories

Type	Description	Order no.
	IO-Link master StandardLine, Profinet, 4 ports	<b>AL1100</b>
	IO-Link master StandardLine, Profinet, 8 ports	<b>AL1102</b>
	IO-Link master StandardLine, EtherNet/IP, 4 ports	<b>AL1120</b>
	IO-Link master StandardLine, EtherNet/IP, 8 ports	<b>AL1122</b>

## Connection technology

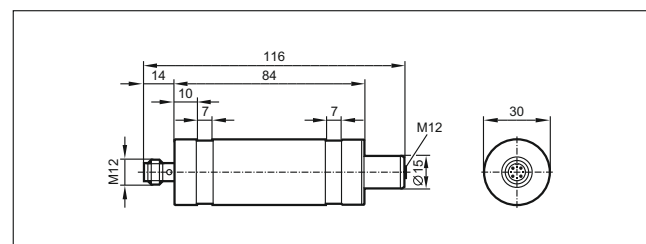
Type	Description	Order no.
	Connection cable, M12, 20 m, black, PUR cable	<b>EVC118</b>
	Connection cable, M12, 30 m, black, PUR cable	<b>EVC160</b>
	Socket, M12, 40 m, black, PUR cable	<b>EVC759</b>

\* Details regarding the maximum range, compatibility and necessary cable cross sections can be found in the operating instructions or the data sheet of the repeater.

## Technical data

IO-Link repeater	Order no. E30444
Operating voltage [V DC]	18...30
Reverse polarity protection on the master side	•
Current consumption [mA]	< 20
IO-Link device	COM1, COM2, COM3 compatible with 1.0 and 1.1 IEC 61131-9
Transmission type	–
IO-Link revision	A/B
SDCI standard	–
SIO mode	–
Requires master port class	–
Ambient temperature [°C]	-25...65
Protection	IP 68, IP 69K
Materials	high-grade stainless steel (316L/1.4404), PEI, PA fibre-reinforced, FKM

## Dimensions



## Wiring diagram

