Passive distribution boxes

Decentralized bundling of several sensor cables on a passive distributor

SICK
Sensor Intelligence.

Passive distribution boxes

Product description

In addition to configuration and connection, the efficient integration of devices also includes the subsequent signal distribution. Passive distribution boxes close the gap between the device and the controller and not only ensure efficient integration but also demonstrably reduce the overall operating costs of machines and systems. Maintenance and replacement during operation are considerably simplified by LED displays, labeling options and standardized interfaces.
Passive distributors have enclosure ratings up to IP69 and are therefore also suitable for demanding applications.

At a glance

- 4 to 10 ports
- Number of ports can be flexibly expanded using Y-splitters
- High-quality stainless steel housing including enclosure rating IP69 for demanding applications
- Helpful LED indicators
- Versatile mounting options
- Simple integration thanks to electrical system schematic
- Fully encapsulated splitter
- M8 and M12 variants

Your benefits

- Efficiency – Lower material and installation costs, simplified maintenance and easier replacement
- Space saving – Low system footprint compared to conventional connection units
- Safety – Standardized connections with predefined installation parameters and visual feedback of signal and power transmission

Ordering information

Other models and accessories → www.sick.com/Passive_distribution_boxes

Description	Note	Type	Part no.
Dual encoder connection box: facility for connecting two encoders. Connection to Motion Control Modules FX3-MOC: female connector, D-Sub HD, 15-pin.	–	FX3-EBX400002	2068729
Dual encoder connection unit: Facility for connecting two encoders. Connection to Motion Control Modules FX3-MOC: Female connector, D-Sub HD, 15-pin. With protective coating for more challenging ambient conditions (e.g., resistance to sulfur).	Protective coating for more challenging ambient conditions (e.g., resistance to sulfur).	FX3-EBX400012	2117330
Motor feedback splitter box: facility for connecting an encoder/a motor feedback system. Connection to Motion Control Modules FX3-MOC: female connector, D-Sub HD, 15-pin. Connection for additional motor feedback splitter box: female connector, D-Sub HD, 9-pin.	–	FX3-EBX300002	2068728
Optimized motor feedback splitter box: facility for connecting two encoders/motor feedback systems. Connection to Motion Control Modules FX3-MOC: female connector, D-Sub HD, 15-pin.	–	FX3-EBX100002	2079867

- **Connection type head A:** female connector, M12, 5-pin
- **Connection type head B:** female connector, M23, 19-pin
- **Number of slots:** 8
- **Slot connection type:** M12

Description	Note	Type	Part no.
Connector M23	Consolidation of sensor and actuator signals	SBL-08D12-SE	6028399

- **Connection type head A:** female connector, M12, 5-pin
- **Number of slots:** 8
- **Slot connection type:** M12
- **Connection systems:** Flying leads
- **Note:** consolidation of sensor and actuator signals

Items supplied	Cable	Type	Part no.
With 2 dust covers and 10 attachable labels	10 m, 19-wire, PUR, halogen-free	SBL-08D12-KC10	6028397
	5 m, 19-wire, PUR, halogen-free	SBL-08D12-KC05	6028396
With 4 dust covers and 10 attachable labels	10 m, 19-wire	SNL–08D12–KA10	6027587
	15 m, 19-wire	SNL–08D12–KA15	6027588
	35 m, 19-wire	SNL–08D12–KA35	6032902
	5 m, 19-wire	SNL–08D12–KA05	6027586

Passive distribution boxes

- **Connection type head A:** 3-pin
- **Number of slots:** 4
- **Slot connection type:** M8, 3-pin, A-coded, female connector
- **Items supplied:** 5 x labeling plates
- **Description:** unshielded

Cable	Application	Type	Part no.
–	–	Y8A34A2-C2A8000XXX	2115733
5 m, 6-wire, PUR, halogen-free	Drag chain operation	Y8A34A2-LXXXUAA050	2115727

- **Connection type head A:** 3-pin
- **Number of slots:** 6
- **Slot connection type:** M8, 3-pin, A-coded, female connector
- **Items supplied:** 5 x labeling plates
- **Description:** unshielded

Cable	Application	Type	Part no.
–	–	Y8A36A2-C2A8000XXX	2115734
5 m, 8-wire, PUR, halogen-free	Drag chain operation	Y8A36A2-LXXXUBA050	2115728

- **Connection type head A:** 3-pin
- **Number of slots:** 8
- **Slot connection type:** M8, 3-pin, A-coded, female connector
- **Items supplied:** 10 x labeling plates
- **Description:** unshielded

Cable	Application	Type	Part no.
–	–	Y8A38A2-C2AB000XXX	2115735
5 m, 10-wire, PUR, halogen-free	Drag chain operation	Y8A38A2-LXXXUCA050	2115729

- **Connection type head A:** 3-pin
- **Number of slots:** 10
- **Slot connection type:** M8, 3-pin, A-coded, female connector
- **Items supplied:** 10 x labeling plates
- **Description:** unshielded

Cable	Application	Type	Part no.
–	–	Y8A3AA2-C2AB000XXX	2115736
2.5 m, 12-wire, PUR, halogen-free	Drag chain operation	Y8B3AA2-LXXXUDA025	2120660
5 m, 12-wire, PUR, halogen-free	Drag chain operation	Y8A3AA2-LXXXUDA050	2115731

- **Connection type head A:** 4-pin
- **Number of slots:** 8
- **Slot connection type:** M8, 4-pin, A-coded, female connector

Items supplied	Cable	Description	Application	Type	Part no.
10 x labeling plates	5 m, 18-wire, PUR, halogen-free	Unshielded	Drag chain operation	Y8A48A2-LXXXUFA050	2115730

- **Connection type head A:** 4-pin
- **Number of slots:** 10
- **Slot connection type:** M8, 4-pin, A-coded, female connector
- **Items supplied:** 10 x labeling plates
- **Description:** unshielded
- **Application:** Drag chain operation

Cable	Type	Part no.
2.5 m, 22-wire, PUR, halogen-free	Y8B4AA2-LXXXUGA025	2120661
5 m, 22-wire, PUR, halogen-free	Y8A4AA2-LXXXUGA050	2115732

- **Connection type head A:** female connector, M12, 5-pin
- **Number of slots:** 4
- **Slot connection type:** M12
- **Items supplied:** with 2 dust covers and 10 attachable labels
- **Connection systems:** Flying leads
- **Note:** consolidation of sensor and actuator signals

Cable	Type	Part no.
10 m, 11-wire, PUR, halogen-free	SBL-04D12-KC10	6028395
5 m, 11-wire, PUR, halogen-free	SBL-04D12-KC05	6028394

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

SICK
Sensor Intelligence.