



Y- and T-splitters

Splitter for signal consolidation and structured cabling

SICK
Sensor Intelligence.



Product description

When wiring devices, one or more branches are often necessary, e.g., for collecting, connecting or distributing signals.

An attractive solution for optimizing the wiring in these cases is the use of a Y- or T-piece, as these splitters enable a fast and reliable connection.

SICK offers a wide range of different variants as well as the ability to implement custom solutions quickly and efficiently.

At a glance

- Y and T designs for different cable runs
- With or without cable branching
- M8 and M12 connection
- 3-, 4-, 5- and 8-pin plug connectors

Your benefits

- Sicherheit – Professionelle Umsetzung individueller und komplexer Lösungen
- Robustheit – Beständig gegen diverse Substanzen, mechanische Belastungen und Umwelteinflüsse
- Flexibilität – Kundenspezifische Lösungen auf Anfrage
- Bauform – Kompakt, platzsparend und flexibel einsetzbar
- Installation – Kosten- und materialoptimiert
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Ordering information

Other models and accessories → www.sick.com/Y-_and_T-splitters

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** male connector, M12, 5-pin, A-coded

Connection type head C	Description	Note	Type	Part no.
Female connector, M12, 5-pin, A-coded	T-piece for simultaneous connection to sender and receiver, splits the cable from the control cabinet to the sender and receiver	5-pin	DSC-1205T000025KM0	6030664

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded
- **Connection type head C:** male connector, M12, 8-pin, A-coded

Description	Note	Type	Part no.
–	Male connector M12, 8-pin, straight, to 1 x female connector M12, 8-pin, straight and 1 x female connector M12, 8-pin, straight	SBO-02F12-SM	6029306
T-distributor for simultaneous connection to sender and receiver, splits the cable from the control cabinet between the sender and receiver	8-pin	DSC-1208T000025KM0	6058647

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M8, 3-pin

Connection type head C	Type	Part no.
Female connector, M8, 3-pin	SBO-02C08-SF	6028393

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 3-pin, A-coded

Connection type head C	Cable	Type	Part no.
Female connector, M12, 3-pin, A-coded	2 m	SBO-02C12-KC02	6034489

- **Connection type head A:** male connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded

Connection type head C	Signal type	Description	Note	Application	Type	Part no.
Female connector	Sensor/ac-	Sensor/ac-	–	Zones with oils	YM2A15-000S01FY2A5	2099606

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Connection type head C	Signal type	Description	Note	Application	Type	Part no.
tor, M12, 3-pin, A-coded	tuator cable	tuator cable		and lubricants		
Female connector, M12, 5-pin, A-coded	-	-	-	-	SBO-02C12-SF	6041320
					SBO-02D12-SF	6028392
					SBO-02D12-SFS01	6041319
Female connector, M12, 8-pin, A-coded	-	T-connector for safe series connection	M12 male connector, 5-pin, A-coded, on 1 x M12 female connector, 5-pin, A-coded, on 1 x M12 female connector, 8-pin, A-coded	-	STR1-XXA	5339609

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Signal type:** Sensor/actuator cable

Connection type head C	Cable	Description	Note	Application	Type	Part no.
Female connector, M12, 4-pin, A-coded	0.11 m, PVC	Sensor/actuator cable, Y-Junction, 2 x female connector M12, 4-pin, straight, 0.11 m PVC-cable, 1 x male connector M12, 4-pin, straight, to connect	T-coupler 2 x M12 female + M12 male straight with cable	-	SYL-1204-G0M11-X1	6055011

Connection type head C	Cable	Description	Note	Application	Type	Part no.
		SICK Sensors with SICK Smart Sensors				
Male connector, M12, 4-pin, A-coded	0.3 m	Sensor/actuator cable	Signal interrogation and logic interrupt, female connector M12, 4-pin to 2 x male connector M12, 4-pin	Zones with oils and lubricants	DSL-1104-TOM3	6011683
	2 m	Sensor/actuator cable	-	Zones with oils and lubricants	JD4-TM122000D	4054495

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M8, 4-pin, A-coded

Connection type head C	Signal type	Cable	Description	Note	Type	Part no.
Female connector, M8, 4-pin, A-coded	Sensor/actuator cable	0.11 m, PVC	Sensor/actuator cable, Y-distribution, 2 x M8 female connectors, 4-pin, straight, 0.11 m, PVC cable, 1 x M12 male connector, 4-pin, straight, connects a SICK sensor to a SICK Smart sensor; Female connector	Slimline T-piece, 2 x M8 female connector + M12 male connector with cable	SYL-8204-G0M11-X2	6055012

Connection type head C	Signal type	Cable	Description	Note	Type	Part no.
			brassed (A): Auxiliary sensor; Female connector nickel-plated (B): Smart Sensor; Male connector nickel-plated (C): IO-Link master/PLC			

- **Connection type head A:** male connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded

Connection type head C	Signal type	Cable	Description	Type	Part no.
Female connector, M12, 4-pin, A-coded	Sensor/actuator cable	0.15 m, 4-wire, PUR	Sensor/actuator cable, unshielded	YF2A17-C15S01MY2AX	2143264

- **Connection type head A:** male connector, M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, D-coded

Connection type head C	Signal type	Cable	Description	Type	Part no.
Female connector, M12, 8-pin, A-coded	Sensor/actuator cable	0.15 m, 4-wire, PUR, halogen-free	Sensor/actuator cable, shielded	YF2A28-C15S01XY2C4	2122940

- **Connection type head A:** female connector, M8, 4-pin, A-coded
- **Connection type head B:** male connector, M8, 3-pin, A-coded

Connection type head C	Signal type	Description	Application	Type	Part no.
Male connector, M8, 3-pin, A-coded	Sensor/actuator cable	Sensor/actuator cable	Zones with oils and lubricants	YF8U14-000S01MY8A3	2107428

- **Connection type head A:** male connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded

Connection type head C	Signal type	Description	Application	Type	Part no.
Female connector, M12, 4-pin, A-coded	Sensor/actuator cable	Sensor/actuator cable	Zones with oils and lubricants	YM2A15-000S01FY2A4	2099600

- **Connection type head A:** male connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded

Connection type head C	Signal type	Description	Note	Application	Type	Part no.
Female connector, M12, 8-pin, A-coded	Sensor/actuator cable	Sensor/actuator cable	-	Zones with oils and lubricants	YM2A18-000000FY2A8	2114648
					YM2A28-000000FY2A8	2123351
Male connector, M12, 8-pin, A-coded	-	T-junction	Parallel connected	-	SBO-02F12-SF	6026503

- **Connection type head A:** female connector, M8, 3-pin, A-coded
- **Connection type head B:** female connector, M8, 3-pin, A-coded

Connection type head C	Signal type	Cable	Description	Application	Type	Part no.
Male connector, M8, 4-pin, A-coded	Sensor/actuator cable	0.3 m, 3-wire, PUR, halogen-free	Sensor/actuator cable, unshielded	Zones with oils and lubricants	YM8U14-C30UA1FY8A3	2122298

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** male connector, 7/8", 5-pin

Connection type head C	Signal type	Description	Type	Part no.
Female connector, 5-pin	DeviceNet™, CANopen	DeviceNet™, CANopen	SD0-02D78-SF	6028330

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- **Connection type head A:** female connector, M12, 4-pin, A-coded
- **Connection type head B:** male connector, M12, 4-pin, A-coded

Connection type head C	Signal type	Cable	Description	Note	Type	Part no.
Male connector, M12, 4-pin, A-coded	Sensor/actuator cable	0.3 m, PVC	Sensor/actuator cable	Female connector M12, 4-pin, straight to 2 x male connector M12, 4-pin, straight	SYL-1205-G0M3	6043534

- **Connection type head A:** female connector, M8, 4-pin
- **Connection type head B:** male connector, M8, 3-pin

Connection type head C	Signal type	Cable	Description	Note	Type	Part no.
Male connector, M8, 3-pin	Sensor/actuator cable	0.04 m	Sensor/actuator cable	Female connector M8, 4-pin, straight to 2 x male connector M8, 3-pin, straight	SBO-02C08-KBD	6033794

- **Connection type head A:** M12, 4-pin, A-coded
- **Connection type head B:** female connector, M12, 4-pin, A-coded
- **Connection type head C:** male connector, M12, 4-pin, A-coded
- **Signal type:** Sensor/actuator cable

Cable	Description	Note	Application	Type	Part no.
0.3 m, PUR	Sensor/actuator cable	Signal interrogation, female connector M12, 4-pin to 2 x male connector M12, 4-pin	Zones with oils and lubricants	DSL-1204-T0M3	6011682

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 8-pin, A-coded

Connection type head C	Note	Type	Part no.
Male connector, M12, 5-pin, A-coded	Male connector M12, 5-pin, to 1 x female connector M12, 8-pin, to	SBO-02F12-SM2	6053283

Connection type head C	Note	Type	Part no.
	1 x female connector M12, 5-pin, for connecting on IO-Link-Master		
Male connector, M12, 8-pin, A-coded	Male connector M12, 8-pin, to 1 x female connector M12, 8-pin, to 1 x female connector M12, 5-pin, for connecting of a PLC	SBO-02F12-SM1	6053172

- **Connection type head A:** female connector, M12, 5-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, A-coded

Connection type head C	Note	Type	Part no.
Male connector, M12, 5-pin, A-coded	Master Interface - Type, Connector A - Pole Count, Ports - Pole Count	SBO-02G12-SM	6029305

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** female connector, M12, 5-pin, D-coded

Connection type head C	Description	Type	Part no.
Male connector, M12, 4-pin, A-coded	Y-distribution, 1 x M12 male connector, 4-pin, A-coded, 1 x M12 female connector, 5-pin, D-coded, 1 x M12 female connector, 8-pin, A-coded	SYL-1208-GOM	6064008

Cable	Description	Note	Type	Part no.
-	-	Male connector M12, 4-pin, straight, A-coded to 2 x female connector M12, 5-pin, straight, A-coded	T-junctions	6058934
PVC	Unshielded, converting 12-pin to 8-pin connection	Converter between Inspector and ICL illumination, T-splitter to convert 12-pin to 8-pin, M12, 12-pin female, M12, 12-pin male, M12, 8-pin female	T distributor for Inspector	6034950

- **Connection type head A:** female connector, M12, 5-pin, straight, A-coded
- **Connection type head B:** female connector, M12, 5-pin, straight, A-coded

Signal type	Cable	Description	Type	Part no.
CAN, Power	0.5 m, 5-wire	CAN, Power, Y-CAN cable	Y-CAN cable	6027647

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- **Connection type head A:** male connector, M12, 5-pin
- **Connection type head B:** male connector, M12, 5-pin

Signal type	Description	Type	Part no.
CAN, Power	CAN, Power, Y-CAN cable	Y-CAN cable	6042167

- **Connection type head A:** female connector, M12, 5-pin
- **Connection type head B:** male connector, M12, 5-pin

Signal type	Description	Type	Part no.
CAN, Power	CAN, Power, Y-CAN cable	Y-CAN cable	6053676

- **Connection type head A:** female connector, M12, 5-pin, straight
- **Connection type head B:** male connector, M12, 5-pin, straight

Signal type	Cable	Description	Type	Part no.
CAN, Power	0.5 m	CAN, Power, Y-CAN cable	Y-CAN cable	6083185

- **Connection type head A:** female connector, M12, 8-pin, A-coded
- **Connection type head B:** Flying leads

Connection type head C	Cable	Description	Type	Part no.
Flying leads	2 m, PUR	Twisted pairs, shielded	YF2A28-020XXXLEAX Y-junctions	6048329

- **Connection type head A:** female connector, M12, 8-pin, straight, A-coded
- **Connection type head B:** male connector, M12, 8-pin, straight, A-coded

Connection type head C	Signal type	Cable	Description	Type	Part no.
Female connector, M8, 4-pin, A-coded	Sensor/actuator cable	0.2 m	Sensor/actuator cable, Y-distribution, 1 x female connector M12, 8-pin, straight, 1 x male connector M12, 8-pin, straight, 1 x female connector M8, 4-pin, straight, 0.2 m PUR cable for providing trigger signal for NCV50	YM2A28-C20S01MYAAX	2124388

- **Connection type head A:** female connector, D-Sub, 9-pin
- **Connection type head B:** male connector, RJ45

Signal type	Cable	Description	Note	Type	Part no.
RS-232 TTL	2.4 m	RS-232 TTL, unshielded	External power supply unit required, connection at the D-Sub present	Connection cable (male connector - female connector)	6033047

- **Connection type head A:** female connector, D-Sub, 9-pin, straight
- **Connection type head B:** male connector, RJ45, straight

Signal type	Cable	Description	Note	Type	Part no.
RS-422 TRUE	4.5 m, coiled cable	RS-422 TRUE, unshielded	Additional power supply unit required (42203758-06)	Connection cable (male connector - female connector)	6025954

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.”

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