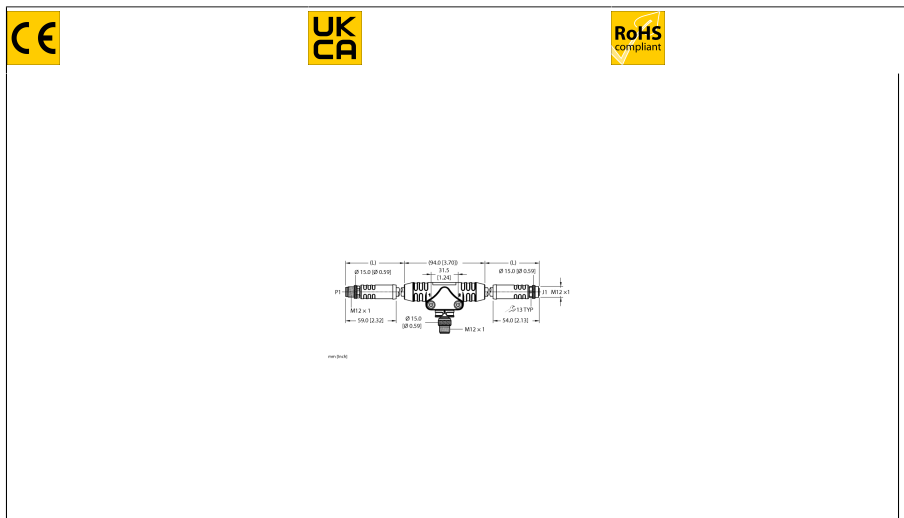


M12 Power Splitters

T-Splitter

RSP56PL-x-FSM4-RKP56PL-x/CS17640



Type	RSP56PL-x-FSM4-RKP56PL-x/CS17640
ID	777045212
Special version	CS17640 = customer-specific wiring, male connector grip — BK, junction box grip — OG

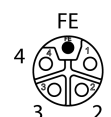
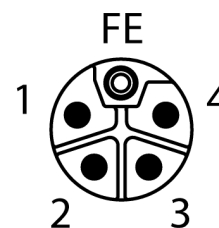
Distributed I/O	T-splitter
Housing	Plastic, TPU, Orange

Connector A	Male, M12 × 1, L-coded
Design specification	acc. to IEC 61076-2-111
Number of pins	4+FE
Contact carriers	Plastic, PA, Black
Connector body	Plastic, TPU, Gray
Coupling nut/screw	Brass, CuZn, Nickel-plated
Tightening torque	0.8 Nm
Mechanical lifespan	> 100 Mating cycles
Pollution degree	2

Connector B	Female, M12 × 1, L-coded
Design specification	acc. to IEC 61076-2-111
Number of Pins	4+FE
Contact carriers	Plastic, PA, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Seal	O-ring, Plastic, FKM/FPM
Tightening torque	0.8 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	2



- M12 Power, Male, 4-pole + FE, L-code
- M12, Male, 4-pole, A-code
- M12 Power, Female, 4-pole + FE, L-code
- Power tray/exposed run/direct burial cable
- TPE jacket, black, 5 × 16 AWG
- Sunlight resistant
- -40 °C cold bending strength
- Oil resistant
- Fire classes: UL1685 FT4, CSA FT1, CSA FT4, IEC 60332-3-22



Diagram

Connector C	Male, M12 × 1, A-coded
Design specification	According to IEC 61076-2-101
Number of Pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PA, Yellow
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Tightening torque	0.8 ... 1 Nm
Mechanical lifespan	> 300 Mating cycles
Pollution degree	3

Cable

Number of cores	5
Cable diameter	Ø 10.01mm
Cable jacket	TPE, Black
Conductor diameter	0.105 "
Conductor material	BC (bare copper)
Core insulation	PVC/nylon
Core cross-section	5 x 16 AWG [Similar to 1.50 mm²]
Arrangement of strands	65 x 34AWG
Core colors	BN, WH, BU, BK, GY

Electrical properties at +20 °C

Rated voltage	63VDC
Current	12A (P1, J1) /4A (P2)A

Mechanical and chemical properties

Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Cold flexural strength	-40 °C
Ambient temperature (fixed)	-30...+90°C
Ambient temperature (mobile)	-40...+90°C
Ambient temperature during installation	-20...+90 °C

Approval

Note

Using the cable in extreme temperatures, when it is exposed to certain chemicals and above the nominal cycle speed or below the nominal bending radius of the cable can reduce the flexural strength.

- We reserve the right to make technical modifications without prior notice.

