

TURCK

Your Global Automation Partner



Gestamp Europe MRO and Project Manual

July 2024

Note

The information contained in the manual is subject to constant updating and improvement; we therefore recommend using the hyperlinks included. Please also check if you have the latest version of the manual.

This manual is provided as a service by Turck and does not contain any legally binding content. It cannot replace individual information, consultations and agreements. Turck accepts no liability for possible errors or incompleteness.

Contents

Note	2
Contacts	4
Inductive sensors	5
Inductive safety sensors	10
Magnetic field sensors	11
Inductive couplers	13
Linear position sensors	14
Condition monitoring sensors	15
Lighting and indicators	16
Safety technology	18
Safety technology — software	21
Fieldbus technology	22
Identification	27
Power supply	29
Connection technology — cables and receptacles	30
Connection technology — connectors	53
Connection technology — junction boxes	56
Turck Branches — contact details	59

Contacts

Key Account Manager		Judith Fuchs	
European Automotive Team		Phone	+49 208 4952-0
Hans Turck GmbH & Co. KG		Mobile	+49 151 44355982
Witzlebenstr. 7			
45472 Mülheim an der Ruhr, Germany		Email	judith.fuchs@turck.com
Business Development Manager Elion		Joaquim Savall	
Automotive and Assembly		Phone	+34 932 982 035
			+34 670 659 304
		Email	jsavall@elion.es
Project Sales Engineer Automotive		Johannes Louven	
European Automotive Team		Phone	+49 208 4952-4041
Hans Turck GmbH & Co. KG		Mobile	+49 151 16740428
Witzlebenstr. 7			
45472 Mülheim an der Ruhr, Germany		Email	johannes.louven@turck.com
Automotive Manager Europe		Hans-Günter Kübler	
European Automotive Team		Phone	+49 208 4952-0
Hans Turck GmbH & Co. KG		Mobile	+49 160 97263280
Witzlebenstr. 7			
45472 Mülheim an der Ruhr, Germany		Email	hans.kuebler@turck.com

Inductive sensors

BI2U-EGT08-AP6X-H1341

ID 4602071



Inductive sensor

with extended switching distance

- Rated switching distance: 2 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 1 kHz
- Dimensions: Ø 8 × 57 mm
- Housing material: stainless steel, 1.4427 SO, coated in PTFE
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/4602071

BI3U-MT12H-AP6X-H1141

ID 1634212



Inductive sensor

with extended switching distance

- Rated switching distance: 3 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 3 kHz
- Dimensions: Ø 12 × 52 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1634212

BI4U-MT12-AP6X-H1141

ID 1634809



Inductive sensor

with extended switching distance

- Rated switching distance: 4 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 3 kHz
- Dimensions: Ø 12 × 52 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1634809

BI4U-MT12-AP6X-H1141/S1589**ID 1634997**

Inductive sensor

with WeldGuard coating

- Rated switching distance: 4 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 3 kHz
- Dimensions: Ø 12 × 52 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1634997

BI5U-MT18H-AP6X-H1141**ID 1635212**

Inductive sensor

- Rated switching distance: 5 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 2.5 kHz
- Dimensions: Ø 18 × 52 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1635212

BI5U-MT18H-AP6X-H1141/S395**ID 1635201**

Inductive sensor

- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Dimensions: Ø 18 × 61.5 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1635201

BI8U-MT18-AP6X-H1141

ID 1644730



Inductive sensor

with extended switching distance

- Rated switching distance: 8 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 1.5 kHz
- Dimensions: Ø 18 × 52 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1644730

BI8U-MT18-AP6X-H1141/S1589

ID 1644789



Inductive sensor

with WeldGuard coating

- Rated switching distance: 8 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 1.5 kHz
- Dimensions: Ø 18 × 52 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1644789

BI15U-MT30-AP6X-H1141

ID 1636734



Inductive sensor

with extended switching distance

- Rated switching distance: 15 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 1 kHz
- Dimensions: Ø 30 × 62 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1636734

BI15U-MT30-AP6X-H1141/S1589**ID 1636793**

Inductive sensor

with WeldGuard coating

- Rated switching distance: 15 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 1 kHz
- Dimensions: Ø 30 × 62 mm
- Housing material: metal, CuZn, PTFE-coated
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1636793

BI20U-CK40-AP6X2-H1141**ID 1627233**

Inductive sensor

with extended switching distance

- Rated switching distance: 20 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 0.25 kHz
- Dimensions: 65 × 40 × 40 mm
- Housing material: plastic, PBT-GF20-V0
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1627233

BI30U-CK40-AP6X2-H1141**ID 1625829**

Inductive sensor

with extended switching distance

- Rated switching distance: 30 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 0.25 kHz
- Dimensions: 65 × 40 × 40 mm
- Housing material: plastic, PBT-GF20-V0
- Electrical connection: M12 × 1 connector
- Ambient temperature: -10...+60 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1625829

BI50U-Q80-AP6X2-H1141**ID 1608940**

Inductive sensor

with extended switching distance

- Rated switching distance: 50 mm
- Mounting conditions: flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 0.25 kHz
- Dimensions: 92 × 80 × 40 mm
- Housing material: plastic, PBT-GF30-V0
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1608940

NI50U-CK40-AP6X2-H1141**ID 1625837**

Inductive sensor

with extended switching distance

- Rated switching distance: 50 mm
- Mounting conditions: not flush
- Operating voltage: 10...30 VDC
- Output function: NO, PNP
- Switching frequency: 0.25 kHz
- Dimensions: 65 × 40 × 40 mm
- Housing material: plastic, PBT-GF20-V0
- Electrical connection: M12 × 1 connector
- Ambient temperature: -30...+85 °C
- Protection class: IP68
- Special features: uprox+, factor 1, resistant to magnetic fields
- Further information: www.turck.de/en/products/1625837

Inductive safety sensors

BI4-M12-2APS8X2-H1141**ID 100016606**

Inductive safety sensor

- Rated switching distance: 4 mm
- Mounting conditions: flush
- Cascadable: No
- Operating voltage: 19.2...28.8 VDC
- Output function: 2 × OSSD, NO, PNP
- Switching frequency: 0.1 kHz
- Dimensions: Ø 12 × 65 mm
- Housing material: metal, CuZn
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- PL acc. to EN ISO 13849-1: Level d
- SIL acc. to IEC 61508: 2
- Category acc. to ISO 13849-1:2008: 2
- Further information: www.turck.de/en/products/100016606

BI8-M18-2APS8X2-H1141**ID 100016607**

Inductive safety sensor

- Rated switching distance: 8 mm
- Mounting conditions: flush
- Cascadable: No
- Operating voltage: 19.2...28.8 VDC
- Output function: 2 × OSSD, NO, PNP
- Switching frequency: 0.1 kHz
- Dimensions: Ø 18 × 69 mm
- Housing material: metal, CuZn
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- PL acc. to EN ISO 13849-1: Level d
- SIL acc. to IEC 61508: 2
- Category acc. to ISO 13849-1:2008: 2
- Further information: www.turck.de/en/products/100016607

BI12-M30-2APS8X2-H1141**ID 100016608**

Inductive safety sensor

- Rated switching distance: 12 mm
- Mounting conditions: flush
- Cascadable: No
- Operating voltage: 19.2...28.8 VDC
- Output function: 2 × OSSD, NO, PNP
- Switching frequency: 0.1 kHz
- Dimensions: Ø 30 × 71 mm
- Housing material: metal, CuZn
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- PL acc. to EN ISO 13849-1: Level d
- SIL acc. to IEC 61508: 2
- Category acc. to ISO 13849-1:2008: 2
- Further information: www.turck.de/en/products/100016608

Magnetic field sensors

NIMFE-EM12/4.0L61-UP6X-H1141/S1182**ID 1600621**

Magnetic field sensor
with TIN Coating

- For detection of ferromagnetic parts
- Operating voltage: 10...30 VDC
- Output function: programmable connection, PNP
- Dimensions: Ø 12 × 61 mm
- Housing material: stainless steel, 1.4301 (AISI 304)
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/1600621

NIMFE-EM12/4.0L61-UP6X-0.3XYE-RS4/S1182**ID 1600623**

Magnetic field sensor
with TIN Coating

- For detection of ferromagnetic parts
- Operating voltage: 10...30 VDC
- Output function: programmable connection, PNP
- Dimensions: Ø 12 × 61 mm
- Housing material: stainless steel, 1.4301 (AISI 304)
- Electrical connection: Cable with connector, M12 × 1
- Cable length: 0.3 m
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/1600623

NIMFE-EM12/4.6L88-UP6X-H1141/S1182**ID 1600620**

Magnetic field sensor
with TIN Coating

- For detection of ferromagnetic parts
- Operating voltage: 10...30 VDC
- Output function: programmable connection, PNP
- Dimensions: Ø 12 × 88 mm
- Housing material: stainless steel, 1.4301 (AISI 304)
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/1600620

NIMFE-EM12/4.9L88-UP6X-H1141/S1182**ID 1600616**

Magnetic field sensor
with TIN Coating

- For detection of ferromagnetic parts
- Operating voltage: 10...30 VDC
- Output function: programmable connection, PNP
- Dimensions: Ø 12 × 88 mm
- Housing material: stainless steel, 1.4301 (AISI 304)
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/1600616

NIMFE-EM12/6.2L101-UP6X-H1141/S1182**ID 1600612**

Magnetic field sensor
with TIN Coating

- For detection of ferromagnetic parts
- Operating voltage: 10...30 VDC
- Output function: programmable connection, PNP
- Dimensions: Ø 12 × 101 mm
- Housing material: stainless steel, 1.4301 (AISI 304)
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/1600612

VB2-SP1**ID A3501-29**

Teach adapter

For weld nut sensors

- Housing material: plastic
- Electrical connection: M12 × 1 connector
- Cable length: 0.2 m
- Protection class: IP40
- Further information: www.turck.de/en/products/A3501-29

Inductive couplers

NICP-EM30-IOL-H1141**ID 100018258**

Inductive coupler

Primary side

- Mounting conditions: not flush
- Output function: PNP/NPN
- Communication protocol: IO-Link
- Dimensions: Ø 30 × 86 mm
- Housing material: stainless steel 1.4404 (AISI 316L)
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+55 °C
- Protection class: IP67/IP68
- Further information: www.turck.de/en/products/100018258

NICS-EM30-IOL-HK1141**ID 100018259**

Inductive coupler

Secondary side

- Mounting conditions: not flush
- Output function: PNP/NPN
- Communication protocol: IO-Link
- Dimensions: Ø 30 × 86 mm
- Housing material: stainless steel 1.4404 (AISI 316L)
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+55 °C
- Protection class: IP67/IP68
- Further information: www.turck.de/en/products/100018259

BSM-30**ID 100047196**

Mounting clip

- Dimensions: 30 × 59 × 42 mm
- Housing material: aluminum, AL
- Further information: www.turck.de/en/products/100047196

Linear position sensors

LI25P1-QR14-LIU5X2-0.3-RS4

ID 1590752



Inductive linear position sensor

- Measuring range: 25 mm
- Resolution: 0.006 mm
- Operating voltage: 15...30 VDC
- Output function: Analog output
- Voltage output: 0...10 V
- Current output: 4...20 mA
- Dimensions: 53.5 × 49 × 14 mm
- Housing material: plastic, PBT-GF30-V0
- Electrical connection: Cable with connector, M12 × 1
- Cable length: 0.3 m
- Ambient temperature: -25...+70 °C
- Protection class: IP68/IP69K
- Further information: www.turck.de/en/products/1590752

Condition monitoring sensors

CMVT-QR20-IOLX3-H1141**ID 100016543**

Vibration and temperature sensor

For condition monitoring with IO-Link

- Measuring range: -40...+85 °C
- Operating voltage: 18...30 VDC
- Communication protocol: IO-Link
- Dimensions: 71.6 × 62.6 × 20 mm
- Housing material: plastic, Ultem
- Electrical connection: M12 × 1 connector
- Ambient temperature: -40...+85 °C
- Protection class: IP68/IP69K
- Further information: www.turck.de/en/products/100016543

Lighting and indicators

K50PCLRGB7AQ**ID 3813339**

LED display

- Light type: RGB
- Acoustic signal: Key adjustable
- Volume: 92 dB
- Dimmable: No
- Cascadable: No
- Operating voltage: 12...30 VDC
- Dimensions: Ø 50 × 48 mm
- Housing material: plastic, PC
- Window material: Polycarbonate, diffuse
- Electrical connection: M12 × 1 connector
- Ambient temperature: -40...+50 °C
- Protection class: IP67/IP69K
- Further information: www.turck.de/en/products/3813339

K50PTAMRGB7AQ**ID 3812778**

Pick-to-Light

Pick-and-place sensor

- Capacitive button with beeper
- Light type: RGB
- Dimmable: Programmable
- Operating voltage: 12...30 VDC
- Dimensions: Ø 50 × 80.6 mm
- Housing material: plastic, PC
- Window material: Polycarbonate, diffuse
- Electrical connection: M12 × 1 connector
- Ambient temperature: -40...+70 °C
- Protection class: IP67/IP69K
- Further information: www.turck.de/en/products/3812778

K50PTCAMRGB7AQ**ID 3813215**

Pick-to-Light

Pick-and-place sensor

- Capacitive button with beeper
- Light type: RGB
- Dimmable: Programmable
- Operating voltage: 12...30 VDC
- Dimensions: Ø 50 × 62.6 mm
- Housing material: plastic, PC
- Window material: Polycarbonate, diffuse
- Electrical connection: M12 × 1 connector
- Ambient temperature: -40...+70 °C
- Protection class: IP67/IP69K
- Further information: www.turck.de/en/products/3813215

WLS27PXRGBW1130DSKQ**ID 3807475**

Work light

Linear light

- Light type: RGB
- Dimmable: IO-Link controlled
- Cascadable: No
- Operating voltage: 18...30 VDC
- Communication protocol: IO-Link
- Dimensions: Ø 27 × 1197.5 mm
- Housing material: plastic, FDA copolyester
- Window material: Copolyester, diffuse
- Electrical connection: M12 × 1 connector
- Ambient temperature: -40...+50 °C
- Storage temperature: -40...+70 °C
- Protection class: IP66/IP67/IP69
- Special features: Chemical resistant, wash down
- Further information: www.turck.de/en/products/3807475

WLS27PXRGBW850DSKQ**ID 3807471**

Work light

Linear light

- Light type: RGB
- Dimmable: IO-Link controlled
- Cascadable: No
- Operating voltage: 18...30 VDC
- Communication protocol: IO-Link
- Dimensions: Ø 27 × 914.5 mm
- Housing material: plastic, FDA copolyester
- Window material: Copolyester, diffuse
- Electrical connection: M12 × 1 connector
- Ambient temperature: -40...+50 °C
- Storage temperature: -40...+70 °C
- Protection class: IP66/IP67/IP69
- Special features: Chemical resistant, wash down
- Further information: www.turck.de/en/products/3807471

Safety technology

TBPN-LL-4FDI-4FDX

ID 100029878



Compact and secure Ethernet I/O module

Safe digital inputs and outputs

- M12 L-coded voltage connector
- Network protocol: PROFI-safe via PROFINET
- Signal type: Fail-safe inputs, fail-safe inputs and outputs
- Fieldbus transmission rate: 100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- PL acc. to EN ISO 13849-1: Level e
- SIL acc. to IEC 61508: 3
- Category acc. to ISO 13849-1:2008: 4
- Approvals: cULus
- Further information: www.turck.de/en/products/100029878

TBPN-LL-FDIO1-2IOL

ID 100029879



Compact and secure Ethernet I/O module

Safe digital inputs and outputs, standard universal digital channels, IO-Link master ports

- M12 L-coded voltage connector
- Network protocol: PROFI-safe via PROFINET
- Signal type: Fail-safe inputs, fail-safe inputs and outputs, digital input/output, IO-Link
- Fieldbus transmission rate: 100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- PL acc. to EN ISO 13849-1: Level e
- SIL acc. to IEC 61508: 3
- Category acc. to ISO 13849-1:2008: 4
- Approvals: cULus
- Further information: www.turck.de/en/products/100029879

TBSB-I1-CS04

ID 100012761



Safety technology

Decoupling box

- Voltage supply connection: M12
- Housing material: polycarbonate/ABS
- Ambient temperature: -25...+40 °C
- Storage temperature: -25...+50 °C
- Protection class: IP67
- PL acc. to EN ISO 13849-1: Level e
- SIL acc. to IEC 61508: 3
- Category acc. to ISO 13849-1:2008: 4
- Approvals: CE
- Further information: www.turck.de/en/products/100012761

TBSB-LL-CS16

ID 100003275



Safety technology

Switch box for disconnecting the actuator voltage V2

- Voltage supply connection: M12, L-coded
- Housing material: die-cast aluminum
- Ambient temperature: -25...+40 °C
- Storage temperature: -25...+50 °C
- Protection class: IP65
- PL acc. to EN ISO 13849-1: Level e
- SIL acc. to IEC 61508: 3
- Category acc. to ISO 13849-1:2008: 4
- Approvals: CE
- Further information: www.turck.de/en/products/100003275

RSP56PL-0.2-FSM4-RKP56PL-0.2/CS17640

ID 100029892



M12 power splitters

T-splitter — feed

- Connector A: male connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Grip: plastic, TPU, gray
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector C: male connector, M12 × 1, A-coded
- Number of pins: 4
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 63 V
- Ampacity: 12 A (P1, J1)/4 A (P2)
- Cable diameter: Ø 10.01 mm
- Cable jacket: TPE, black
- Core cross-section: 5 × 16 AWG [similar to 1.50 mm²]
- Ambient temperature: -40...+90 °C
- Storage temperature: -30...+90 °C
- Further information: www.turck.de/en/products/100029892

RSP56PL-0.2/2RKP56PL-0.2/0.2/CS17642

ID 100029893



M12 power splitters

T-splitter — discharge

- Connector A: male connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Grip: plastic, TPU, gray
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Grip: plastic, TPU, gray
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 63 V
- Ampacity: 12 A
- Cable diameter: Ø 10.01 mm
- Cable jacket: TPE, black
- Core cross-section: 5 × 16 AWG [similar to 1.50 mm²]
- Ambient temperature: -40...+90 °C
- Storage temperature: -30...+90 °C
- Further information: www.turck.de/en/products/100029893

RSP56PL-0.2/2RKP56PL-0.2/0.2/CS17641

ID 100029891



M12 power junction system

T-splitter — discharge with integrated diode

- Connector A: male connector M12, L-coded
- Number of pins: 4+FE
- Grip: plastic, TPU, gray
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector M12 × 1, L-coded
- Number of pins: 4+FE
- Grip: plastic, TPU, gray
- Cable diameter: Ø 10.01 mm
- Cable jacket: TPE, black
- Core cross-section: 5 × 16 AWG [similar to 1.50 mm²]
- Ambient temperature: -40...+90 °C
- Storage temperature: -30...+90 °C
- Further information: www.turck.de/en/products/100029891

VBRK4.5-2RSC4.883T-0.3/0.3/TXL4000

ID 6634281



2-way junction box

Y-splitter with cable, M12 × 1 female connector — 2 × M12 × 1 male connectors

- Connector A: female connector, M12 × 1, straight
- Number of pins: 5
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: 2 × male connectors, M12 × 1, straight
- Number of pins: 3
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 48 V
- Ampacity: 4 A
- Cable diameter: Ø 4.7 mm
- Cable length: 0.3 m
- Cable jacket: PUR, black
- Core cross-section: 3 × 0.34
- Ambient temperature: -25...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/6634281

Safety technology — software

Turck Safety Configurator

ID 6814048



Software

- Further information:
www.turck.de/en/product/SW_Turck_Safety_Configurator

Fieldbus technology

TBEN-LL-16DIP

ID 100004250



Compact multiprotocol I/O module for Ethernet

16 digital PNP inputs

- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: Digital input
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100004250

TBEN-LL-16DOP

ID 100021342



Compact multiprotocol I/O module for Ethernet

16 digital PNP 2-A outputs

- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: Digital output
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100021342

TBEN-LL-16DXP

ID 100004252



Compact multiprotocol I/O module for Ethernet

16 universal digital channels, configurable as PNP inputs or outputs, 2 A

- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: Digital input, digital input/output, digital output
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100004252

TBEN-LL-8DIP-8DOP
ID 100004251


Compact multiprotocol I/O module for Ethernet

8 digital PNP inputs and 8 digital PNP outputs, 2 A

- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: Digital input, digital input/output, digital output
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100004251

TBIL-LL-16DXP-AUX
ID 100000884


I/O hub for connecting digital signals to IO-Link master

16 universal digital channels, PNP

- Network protocol: IO-Link
- Signal type: digital input, digital input/output, digital output
- Voltage supply connection: M12, L-coded
- Dimensions: 179.1 × 60.1 × 29.5 mm
- Housing material: plastic, PA6-GF30
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100000884

TBIL-M1-16DIP
ID 6814100


I/O hub for connecting digital signals to IO-Link master

16 digital PNP inputs

- Network protocol: IO-Link
- Signal type: digital input
- Voltage supply connection: M12
- Dimensions: 150 × 54 × 27.4 mm
- Housing material: plastic, PA6-GF30
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/6814100

TBIL-M1-16DXP

ID 6814102



I/O hub for connecting digital signals to IO-Link master

15 universal digital channels, PNP

- Network protocol: IO-Link
- Signal type: digital input, digital input/output, digital output
- Voltage supply connection: M12
- Dimensions: 150 × 54 × 27.4 mm
- Housing material: plastic, PA6-GF30
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/6814102

TBIL-M1-16DXP-B

ID 100000881



I/O hub for connecting digital signals to IO-Link master

16 universal digital channels, PNP

- Network protocol: IO-Link
- Signal type: digital input, digital input/output, digital output
- Voltage supply connection: M12
- Dimensions: 150 × 54 × 27.4 mm
- Housing material: plastic, PA6-GF30
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100000881

TBEN-S2-4IOL

ID 6814024



Compact multiprotocol I/O module for Ethernet

4 IO-Link master channels

- 4 universal digital PNP channels, 0.5 A, channel diagnostics
- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: IO-Link, digital input, digital input/output, digital output
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M8, 4-pin
- Voltage supply connection: 2 × M8, 4-pin, A-coded
- Dimensions: 144 × 32 × 32 mm
- Housing material: plastic, PA6-GF30
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: ATEX Zone 2/22, cULus
- Further information: www.turck.de/en/products/6814024

TBEN-LL-8IOL
ID 100003910


Compact multiprotocol I/O module for Ethernet

8 IO-Link master channels

- 4 universal digital PNP channels, 2 A, channel diagnostics
- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: IO-Link, digital input, digital input/output, digital output
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100003910

TBEN-LL-8IOLA
ID 100029880


Compact multiprotocol I/O module for Ethernet

8 IO-Link master channels

- 16 universal digital PNP channels, channel diagnostics
- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: IO-Link, digital input, digital input/output, digital output
- Fieldbus transmission rate: 10/100 Mbps
- Fieldbus connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: cULus
- Further information: www.turck.de/en/products/100029880

TBEN-LL-SE-M2
ID 100004427


Managed Ethernet switch

8 × 100-Mbit ports, 2 × 1-Gbit ports

- Ethernet transmission rate: 10/100/1000 Mbps
- Ethernet connection: 2 × M12, 8-pin, X-coded, 8 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: ATEX Zone 2/22, cULus
- Further information: www.turck.de/en/products/100004427

TBEN-LL-SE-U1

ID 100028461



Unmanaged Ethernet Switch

8 × 100-Mbit ports

- Ethernet transmission rate: 10/100 Mbps
- Ethernet connection: 8 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: ATEX Zone 2/22, cULus
- Further information: www.turck.de/en/products/100028461

Identification

TBEN-S2-2RFID-4DXP

ID 6814029


Compact multiprotocol RFID module for Ethernet
 2 RFID channels (HF/UHF) and 4 universal digital channels, configurable as PNP inputs or outputs, 0.5 A

- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: RFID, digital input, digital input/output, digital output
- Ethernet transmission rate: 10/100 Mbps
- Ethernet connection: 2 × M8, 4-pin, D-coded
- Voltage supply connection: 2 × M8, 4-pin, A-coded
- Dimensions: 144 × 32 × 32 mm
- Housing material: plastic, PA6-GF30
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: ATEX Zone 2/22, cULus
- Further information: www.turck.de/en/products/6814029

TBEN-LL-4RFID-8DXP

ID 100002463


Compact multiprotocol RFID module for Ethernet
 4 RFID channels (HF/UHF) and 8 universal digital channels, configurable as PNP inputs or outputs, 2 A

- Network protocol: EtherNet/IP, Modbus TCP, PROFINET
- Signal type: RFID, digital input, digital input/output, digital output
- Ethernet transmission rate: 10/100 Mbps
- Ethernet connection: 2 × M12, 4-pin, D-coded
- Voltage supply connection: M12, L-coded
- Dimensions: 230.4 × 60.4 × 34.8 mm
- Housing material: plastic, PA6-GF30
- Window material: Lexan
- Ambient temperature: -40...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP65/IP67/IP69K
- Approvals: ATEX Zone 2/22, cULus
- Further information: www.turck.de/en/products/100002463

TN-Q40-IOL2-H1141

ID 100012163



HF read/write head

IO-Link

- Radio communication and protocol standards: ISO 15693, NFC type 5
- Mounting conditions: not flush
- Network protocol: IO-Link
- Operating voltage: 11...32 VDC
- Dimensions: 66 × 40 × 40 mm
- Housing material: plastic, PBT
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+80 °C
- Protection class: IP68/IP69K
- Approvals: CE, cULus, UKCA
- Further information: www.turck.de/en/products/100012163

TN-CK40-H1147

ID 7030006



HF read/write head

- Radio communication and protocol standards: ISO 15693, NFC type 5
- Max. read/write distance: 115 mm
- Mounting conditions: not flush
- Network protocol: connection to RFID interface
- Operating voltage: 10...30 VDC
- Dimensions: 65 × 40 × 40 mm
- Housing material: plastic, PBT-GF30-V0, black
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Protection class: IP67
- Approvals: CE, UL, UKCA
- Further information: www.turck.de/en/products/7030006

TW-R50-K2

ID 6900507



HF tag

- Radio communication and protocol standards: ISO 15693, NFC type 5
- Max. read/write distance: 405 mm
- Memory type: FRAM
- Memory size: 2048 bytes
- Freely usable memory: 2000 bytes
- Mounting: metal-free
- Dimensions: Ø 50 × 3.5 mm
- Housing material: plastic, PA6
- Temperature during read/write access: -25...+85 °C
- Temperature outside detection range: -45...+85 °C
- Protection class: IP69K
- Further information: www.turck.de/en/products/6900507

DS-R50

ID 6900386



Spacer

- Further information: www.turck.de/en/products/6900386

Power supply

PSU67-1P-1S-2L-24150-IOL-F

ID 100028305



Smart power supply module in IP67

24...28 VDC output voltage

- 1-phase, 15-A output current, IO-Link interface
- Frequency range: 50/60 Hz
- Operating voltage: 100...240 VAC/100...300 VDC
- Voltage supply connection: M12, 4-pin, S-coded
- Dimensions: 183 × 180.6 × 58.7 mm
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/100028305

PSU67-3P-1S-2L-24250-IOL-F

ID 100025929



Smart power supply module in IP67

24...28 VDC output voltage

- 3-phase, 25-A output current, IO-Link interface
- Frequency range: 50/60 Hz
- Operating voltage: 320...550 VAC
- Voltage supply connection: M12, 4-pin, S-coded
- Dimensions: 183 × 180.6 × 58.7 mm
- Electrical connection: M12 × 1 connector
- Ambient temperature: -25...+70 °C
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/100025929

Connection technology — cables and receptacles

PKG3M-*-PSG3M/TXL

Various IDs



Actuator and sensor cable, PUR

Extension cable

- Connector A: female connector M8 × 1, straight
- Number of pins: 3
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector M8 × 1, straight
- Number of pins: 3
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 60 VDC/50 VAC
- Ampacity: 4 A
- Cable diameter: Ø 4.1 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 3 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
0.3 m	6625665	www.turck.de/en/products/6625665
0.6 m	6625666	www.turck.de/en/products/6625666
0.9 m	6627106	www.turck.de/en/products/6627106
1 m	6625667	www.turck.de/en/products/6625667
1.5 m	6627117	www.turck.de/en/products/6627117
2 m	6625668	www.turck.de/en/products/6625668
3 m	6627137	www.turck.de/en/products/6627137
5 m	6627147	www.turck.de/en/products/6627147
Other cable lengths are available on request.		

PKG3M-*-RSC4T/TXL

Various IDs



Actuator and sensor cable, PUR

Extension cable

- Connector A: female connector M8 × 1, straight
- Number of pins: 3
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, M12 × 1, straight, A-coded
- Number of pins: 3
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 60 VDC/50 VAC
- Ampacity: 4 A
- Cable diameter: Ø 4.1 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 3 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
0.3 m	6627099	www.turck.de/en/products/6627099
0.5 m	6627210	www.turck.de/en/products/6627210
0.6 m	6627103	www.turck.de/en/products/6627103
0.8 m	6626742	www.turck.de/en/products/6626742
1 m	6626753	www.turck.de/en/products/6626753
2 m	6626726	www.turck.de/en/products/6626726
3 m	6627139	www.turck.de/en/products/6627139
5 m	6627150	www.turck.de/en/products/6627150
10 m	6626838	www.turck.de/en/products/6626838
15 m	6630795	www.turck.de/en/products/6630795

Other cable lengths are available on request.

PKG3M-*/TXL

Various IDs



- Actuator and sensor cable, PUR
Connection cable
- Connector A: female connector M8 × 1, straight
 - Number of pins: 3
 - Grip: plastic, TPU, black
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Rated voltage: 60 VDC/50 VAC
 - Ampacity: 4 A
 - Cable diameter: Ø 4.1 mm
 - Cable length: * m
 - Cable jacket: PUR, black
 - Core cross-section: 3 × 0.34 mm²
 - Ambient temperature: -25...+80 °C
 - Storage temperature: -50...+80 °C
 - Protection class: IP67/IP69K
 - Approvals: cULus
 - Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6625550	www.turck.de/en/products/6625550
5 m	6625551	www.turck.de/en/products/6625551
10 m	6625552	www.turck.de/en/products/6625552
15 m	6627159	www.turck.de/en/products/6627159
20 m	6627161	www.turck.de/en/products/6627161
Other cable lengths are available on request.		

PKG4M-*-PSG4M/TXL

Various IDs



Actuator, sensor and supply cable, PUR

Extension cable

- Connector A: female connector M8 × 1, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector M8 × 1, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 60 VDC/50 VAC
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
0.2 m	6627044	www.turck.de/en/products/6627044
0.5 m	6627049	www.turck.de/en/products/6627049
1 m	6625672	www.turck.de/en/products/6625672
1.5 m	6627059	www.turck.de/en/products/6627059
2 m	6625673	www.turck.de/en/products/6625673
3 m	6626673	www.turck.de/en/products/6626673
4 m	6626679	www.turck.de/en/products/6626679
5 m	6627076	www.turck.de/en/products/6627076
8 m	6626699	www.turck.de/en/products/6626699
10 m	6626708	www.turck.de/en/products/6626708

Other cable lengths are available on request.

PKG4M-*-RSC4.4T/TXL

Various IDs



Actuator and sensor cable, PUR

Extension cable

- Connector A: female connector M8 × 1, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, M12 × 1, straight, A-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 60 VDC/50 VAC
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
0.3 m	6627046	www.turck.de/en/products/6627046
0.6 m	6626647	www.turck.de/en/products/6627047
1 m	6626655	www.turck.de/en/products/6626655
2 m	6627063	www.turck.de/en/products/6627063
5 m	6626687	www.turck.de/en/products/6626687
10 m	6628364	www.turck.de/en/products/6628364
Other cable lengths are available on request.		

PKG4M-*/TXL

Various IDs



Actuator, sensor and supply cable, PUR

Connection cable

- Connector A: female connector M8 × 1, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 60 VDC/50 VAC
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6625553	www.turck.de/en/products/6625553
5 m	6625554	www.turck.de/en/products/6625554
10 m	6625555	www.turck.de/en/products/6625555
15 m	6627093	www.turck.de/en/products/6627093
20 m	6626719	www.turck.de/en/products/6626719
Other cable lengths are available on request.		

PKW3M-*/TXL

Various IDs



- Actuator and sensor cable, PUR
Connection cable
- Connector A: female connector M8 × 1, angled
 - Number of pins: 3
 - Grip: plastic, TPU, black
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Rated voltage: 60 VDC/50 VAC
 - Ampacity: 4 A
 - Cable diameter: Ø 4.1 mm
 - Cable length: * m
 - Cable jacket: PUR, black
 - Core cross-section: 3 × 0.34 mm²
 - Ambient temperature: -25...+80 °C
 - Storage temperature: -50...+80 °C
 - Protection class: IP67/IP69K
 - Approvals: cULus
 - Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6625556	www.turck.de/en/products/6625556
5 m	6625557	www.turck.de/en/products/6625557
10 m	6625558	www.turck.de/en/products/6625558
Other cable lengths are available on request.		

RKC4.4T-*/TXL

Various IDs



- Actuator and sensor cable, PUR
Connection cable
- Connector A: female connector, M12 × 1, straight, A-coded
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Rated voltage: 250 V
 - Ampacity: 4 A
 - Cable diameter: Ø 4.5 mm
 - Cable length: * m
 - Cable jacket: PUR, black
 - Core cross-section: 4 × 0.34 mm²
 - Ambient temperature: -25...+80 °C
 - Storage temperature: -50...+80 °C
 - Protection class: IP67/IP69K
 - Approvals: cULus
 - Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6625503	www.turck.de/en/products/6625503
5 m	6625504	www.turck.de/en/products/6625504
10 m	6625505	www.turck.de/en/products/6625505
15 m	6627091	www.turck.de/en/products/6627091
20 m	6627094	www.turck.de/en/products/6627094
Other cable lengths are available on request.		

RKC4.4T-*-PSG4M/TXL

Various IDs



Actuator, sensor and supply cable, PUR
Extension cable

- Connector A: female connector, M12 × 1, straight, A-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector M8 × 1, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 30 V
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6626663	www.turck.de/en/products/6626663
5 m	6626685	www.turck.de/en/products/6626685
Other cable lengths are available on request.		

RKC4.4T-P7X3.1-*-TXL

Various IDs



Actuator and sensor cable, PUR
Connection cable

- Connector A: female connector, M12 × 1, straight, A-coded
- Number of pins: 4
- Grip: plastic, TPU, translucent
- Coupling nut/screw: brass, CuZn, nickel plated
- Operating voltage indication: LED, green
- Switching status indication: LED, yellow/red
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6629131	www.turck.de/en/products/6629131
5 m	6629132	www.turck.de/en/products/6629132
10 m	6629133	www.turck.de/en/products/6629133
Other cable lengths are available on request.		

RKCV4.4T-*-RSCV4.4T/TXL1001

Various IDs



- Welding spark-resistant actuator and sensor cable
Extension cable
- Connector A: female connector, M12 × 1, straight, A-coded
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Coupling nut/screw: stainless steel, V4 A
 - Connector B: male connector, M12 × 1, straight, A-coded
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Coupling nut/screw: stainless steel, V4 A
 - Rated voltage: 250 V
 - Ampacity: 4 A
 - Cable diameter: Ø 5.3 mm
 - Cable length: * m
 - Cable jacket: PUR, yellow
 - Core cross-section: 4 × 0.34 mm²
 - Ambient temperature: -30...+90 °C
 - Storage temperature: -50...+105 °C
 - Protection class: IP67/IP69K
 - Special features: Resistant to welding sparks

* Cable length	ID	Additional Information
0.6 m	6629172	www.turck.de/en/products/6629172
1 m	6629173	www.turck.de/en/products/6629173
1.5 m	6629174	www.turck.de/en/products/6629174
2 m	6629175	www.turck.de/en/products/6629175
3 m	6629253	www.turck.de/en/products/6629253
4 m	6629254	www.turck.de/en/products/6629254
5 m	6629255	www.turck.de/en/products/6629255
Other cable lengths are available on request.		

RSC4.4T-*/TXL

Various IDs



Actuator and sensor cable, PUR

Connection cable

- Connector A: male connector, M12 × 1, straight, A-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 250 V
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6625503	www.turck.de/en/products/6625503
5 m	6625504	www.turck.de/en/products/6625504
10 m	6625505	www.turck.de/en/products/6625505
15 m	6627091	www.turck.de/en/products/6627091
20 m	6627094	www.turck.de/en/products/6627094
Other cable lengths are available on request.		

WKC4.4T-* -RSC4.4T/TXL

Various IDs



Actuator and sensor cable, PUR

Extension cable

- Connector A: female connector, M12 × 1, angled, A-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, M12 × 1, straight, A-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 250 V
- Ampacity: 4 A
- Cable diameter: Ø 4.5 mm
- Cable length: * m
- Cable jacket: PUR, black
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -25...+80 °C
- Storage temperature: -50...+80 °C
- Protection class: IP67/IP69K
- Approvals: cULus
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
0.6 m	6625638	www.turck.de/en/products/6625638
1 m	6625639	www.turck.de/en/products/6625639
1.5 m	6627057	www.turck.de/en/products/6627057
2 m	6625640	www.turck.de/en/products/6625640
3 m	6627069	www.turck.de/en/products/6627069
4 m	6626678	www.turck.de/en/products/6626678
5 m	6626878	www.turck.de/en/products/6626878
10 m	6626705	www.turck.de/en/products/6626705
15 m	6626694	www.turck.de/en/products/6626694
20 m	6626722	www.turck.de/en/products/6626722

Other cable lengths are available on request.

WKC4.4T-*/TXL

Various IDs



- Actuator and sensor cable, PUR
Connection cable
- Connector A: female connector, M12 × 1, angled, A-coded
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Rated voltage: 250 V
 - Ampacity: 4 A
 - Cable diameter: Ø 4.5 mm
 - Cable length: * m
 - Cable jacket: PUR, black
 - Core cross-section: 4 × 0.34 mm²
 - Ambient temperature: -25...+80 °C
 - Storage temperature: -50...+80 °C
 - Protection class: IP67/IP69K
 - Approvals: cULus
 - Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
2 m	6625515	www.turck.de/en/products/6625515
5 m	6625516	www.turck.de/en/products/6625516
10 m	6625517	www.turck.de/en/products/6625517
15 m	6627092	www.turck.de/en/products/6627092
20 m	6627095	www.turck.de/en/products/6627095
Other cable lengths are available on request.		

WKC4.4T-P7X3.1-*-RSC4.4T/TXL

Various IDs



- Actuator and sensor cable, PUR
Extension cable
- Connector A: female connector, M12 × 1, angled, A-coded
 - Number of pins: 4
 - Grip: plastic, TPU, translucent
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Operating voltage indication: LED, green
 - Switching status indication: LED, yellow/red
 - Connector B: male connector, M12 × 1, straight, A-coded
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Rated voltage: 30 VDC
 - Ampacity: 4 A
 - Cable diameter: Ø 4.5 mm
 - Cable length: * m
 - Cable jacket: PUR, black
 - Core cross-section: 4 × 0.34 mm²
 - Ambient temperature: -25...+80 °C
 - Storage temperature: -50...+80 °C
 - Protection class: IP67/IP69K
 - Approvals: cULus

* Cable length	ID	Additional Information
0.6 m	6626027	www.turck.de/en/products/6626027
1 m	6626033	www.turck.de/en/products/6626033
1.5 m	6625948	www.turck.de/en/products/6625948
2 m	6626040	www.turck.de/en/products/6626040
Other cable lengths are available on request.		

WKCV4.4T-P7X3.1-1-RSCV4.4T/TXL1001

ID 6630710



Welding spark-resistant actuator and sensor cable

Extension cable

- Connector A: female connector, M12 × 1, angled, A-coded
- Number of pins: 4
- Grip: plastic, TPU, translucent
- Coupling nut/screw: stainless steel, V4 A
- Operating voltage indication: LED, green
- Switching status indication: LED, yellow/red
- Connector B: male connector, M12 × 1, straight, A-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: stainless steel, V4 A
- Rated voltage: 30 VDC
- Ampacity: 4 A
- Cable diameter: Ø 5.3 mm
- Cable length: 1 m
- Cable jacket: PUR, yellow
- Core cross-section: 4 × 0.34 mm²
- Ambient temperature: -30...+90 °C
- Storage temperature: -50...+105 °C
- Protection class: IP67/IP69K
- Special features: Resistant to welding sparks
- Further information: www.turck.de/en/products/6630710

RJ45S-RJ45S-4422-*M

Various IDs



- Industrial Ethernet cable
Extension cable
- Network protocol: Ethernet
 - Connector A: male connector, RJ45, straight
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Connector B: male connector, RJ45, straight
 - Number of pins: 4
 - Grip: plastic, TPU, black
 - Rated voltage: 42 V
 - Ampacity: 1.5 A
 - Cable diameter: Ø 6.5 mm
 - Cable length: * m
 - Cable jacket: PUR, green
 - Core cross-section: 4 × 0.32 mm²
 - Shielding: aluminum foil, tinned copper wire
 - Ambient temperature: -30...+80 °C
 - Storage temperature: -40...+80 °C
 - Protection class: IP20
 - Approvals: UL listed

* Cable length	ID	Additional Information
0.6 m	6635216	www.turck.de/en/products/6635216
1 m	6635217	www.turck.de/en/products/6635217
2 m	6635218	www.turck.de/en/products/6635218
5 m	6635219	www.turck.de/en/products/6635219
10 m	6635220	www.turck.de/en/products/6635220
15 m	6635221	www.turck.de/en/products/6635221
20 m	6635336	www.turck.de/en/products/6635336
25 m	6635222	www.turck.de/en/products/6635222
30 m	6635353	www.turck.de/en/products/6635353
40 m	6635362	www.turck.de/en/products/6635362

Other cable lengths are available on request.

RKSD-PSGS4M-4422-0.3M

ID 6636539



Industrial Ethernet cable

Extension cable

- Network protocol: Ethernet
- Connector A: female connector, M12 × 1, straight, D-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector M8 × 1, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Rated voltage: 30 V
- Ampacity: 3 A
- Cable diameter: Ø 6.5 mm
- Cable length: 0.3 m
- Cable jacket: PUR, green
- Core cross-section: 4 × 0.32 mm²
- Shielding: aluminum foil, tinned copper wire
- Ambient temperature: -30...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP67/IP69K
- Approvals: UL listed
- Further information: www.turck.de/en/products/6636539

RSSD-RJ45S-4422-*M

Various IDs



Industrial Ethernet cable

Extension cable

- Network protocol: Ethernet
- Connector A: male connector, M12 × 1, straight, D-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, RJ45, straight
- Number of pins: 4
- Grip: plastic, TPU, black
- Rated voltage: 42 V
- Ampacity: 1.5 A
- Cable diameter: Ø 6.5 mm
- Cable length: * m
- Cable jacket: PUR, green
- Core cross-section: 4 × 0.32 mm²
- Shielding: aluminum foil, tinned copper wire
- Ambient temperature: -30...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP67
- Approvals: UL listed

* Cable length	ID	Additional Information
0.6 m	6635168	www.turck.de/en/products/6635168
1 m	6635169	www.turck.de/en/products/6635169
2 m	6635170	www.turck.de/en/products/6635170
5 m	6635171	www.turck.de/en/products/6635171
10 m	6635172	www.turck.de/en/products/6635172
15 m	6635173	www.turck.de/en/products/6635173
20 m	6635337	www.turck.de/en/products/6635337
25 m	6635174	www.turck.de/en/products/6635174
30 m	6635355	www.turck.de/en/products/6635355
35 m	6635356	www.turck.de/en/products/6635356
40 m	6635357	www.turck.de/en/products/6635357

Other cable lengths are available on request.

RSSD-RSSD-4422-*M

Various IDs



Industrial Ethernet cable

Extension cable

- Network protocol: Ethernet
- Connector A: male connector, M12 × 1, straight, D-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, M12 × 1, straight, D-coded
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 30 V
- Ampacity: 4 A
- Cable diameter: Ø 6.5 mm
- Cable length: * m
- Cable jacket: PUR, green
- Core cross-section: 4 × 0.32 mm²
- Shielding: aluminum foil, tinned copper wire
- Ambient temperature: -30...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP67
- Approvals: UL listed

* Cable length	ID	Additional Information
0.3 m	6635147	www.turck.de/en/products/6635147
0.6 m	6635148	www.turck.de/en/products/6635148
1 m	6635149	www.turck.de/en/products/6635149
2 m	6635150	www.turck.de/en/products/6635150
5 m	6635151	www.turck.de/en/products/6635151
10 m	6635152	www.turck.de/en/products/6635152
15 m	6635153	www.turck.de/en/products/6635153
20 m	6635347	www.turck.de/en/products/6635347
25 m	6635154	www.turck.de/en/products/6635154
30 m	6635376	www.turck.de/en/products/6635376
35 m	6635377	www.turck.de/en/products/6635377
40 m	6635378	www.turck.de/en/products/6635378

Other cable lengths are available on request.

RSSX-RSSX-8814-*M

Various IDs



Industrial Ethernet cable

Extension cable

- Network protocol: Ethernet
- Connector A: male connector, M12 × 1, straight, X-coded
- Number of pins: 8
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, M12 × 1, straight, X-coded
- Number of pins: 8
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Ampacity: 0.5 A
- Cable diameter: Ø 6.7 mm
- Cable length: * m
- Cable jacket: PUR, green
- Core cross-section: 8 × 0.14 mm²
- Shielding: yes
- Ambient temperature: -40...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP67
- Approvals: cULus

* Cable length	ID	Additional Information
1 m	100002275	www.turck.de/en/products/100002275
2 m	100002276	www.turck.de/en/products/100002276
5 m	100002277	www.turck.de/en/products/100002277
10 m	100002278	www.turck.de/en/products/100002278
15 m	100002279	www.turck.de/en/products/100002279
20 m	100002280	www.turck.de/en/products/100002280
25 m	100002281	www.turck.de/en/products/100002281
50 m	100002282	www.turck.de/en/products/100002282
100 m	100023665	www.turck.de/en/products/100023665

Other cable lengths are available on request.

RKP46PSB-1/TXR

Various IDs



Supply cable — M12 power

Connection cable

- Connector A: female connector, M12 × 1, straight, S-coded
- Number of pins: 3+PE
- Grip: plastic, TPE, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 600 V
- Ampacity: 16 A
- Cable diameter: Ø 7.4 mm
- Cable length: * m
- Cable jacket: PUR, red
- Core cross-section: 4 × 1.5 mm²
- Ambient temperature: -30...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP65/IP67/IP69K
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
1 m	100030339	www.turck.de/en/products/100030339
2 m	100030340	www.turck.de/en/products/100030340
5 m	100030341	www.turck.de/en/products/100030341
15 m	100030343	www.turck.de/en/products/100030343
20 m	100030344	www.turck.de/en/products/100030344
30 m	100030345	www.turck.de/en/products/100030345
40 m	100030346	www.turck.de/en/products/100030346
50 m	100030347	www.turck.de/en/products/100030347
Other cable lengths are available on request.		

RKP46PSB-*-RSP46PSB/TXR

Various IDs



Supply cable — M12 power

Extension cable

- Connector A: female connector, M12 × 1, straight, S-coded
- Number of pins: 3+PE
- Grip: plastic, TPE, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: male connector, M12 × 1, straight, S-coded
- Number of pins: 3+PE
- Grip: plastic, TPE, black
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 600 V
- Ampacity: 16 A
- Cable diameter: Ø 7.4 mm
- Cable length: * m
- Cable jacket: PUR, red
- Core cross-section: 4 × 1.5 mm²
- Ambient temperature: -30...+80 °C
- Storage temperature: -40...+80 °C
- Protection class: IP65/IP67/IP69K
- Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
0.3 m	100030348	www.turck.de/en/products/100030348
0.5 m	100030350	www.turck.de/en/products/100030350
1 m	100030351	www.turck.de/en/products/100030351
2 m	100030353	www.turck.de/en/products/100030353
5 m	100030354	www.turck.de/en/products/100030354
10 m	100030355	www.turck.de/en/products/100030355
15 m	100030358	www.turck.de/en/products/100030358
20 m	100030359	www.turck.de/en/products/100030359
30 m	100030360	www.turck.de/en/products/100030360
40 m	100030361	www.turck.de/en/products/100030361
50 m	100030362	www.turck.de/en/products/100030362
Other cable lengths are available on request.		

RSP56PLB-*/TXG

Various IDs



- Supply cable — M12 power
Connection cable
- Connector A: male connector, M12 × 1, straight, L-coded
 - Number of pins: 4+FE
 - Grip: plastic, TPE, black
 - Coupling nut/screw: brass, CuZn, nickel plated
 - Rated voltage: 60 VDC/50 VAC
 - Ampacity: 16 A
 - Cable diameter: Ø 8 mm
 - Cable length: * m
 - Cable jacket: PUR, gray
 - Core cross-section: 5 × 1.5 mm²
 - Ambient temperature: -30...+80 °C
 - Storage temperature: -40...+80 °C
 - Protection class: IP65/IP67/IP69K
 - Approvals: cULus
 - Special features: Suitable for drag chain use

* Cable length	ID	Additional Information
1 m	100018907	www.turck.de/en/products/100018907
2 m	100018910	www.turck.de/en/products/100018910
5 m	100018912	www.turck.de/en/products/100018912
10 m	100018913	www.turck.de/en/products/100018913
Other cable lengths are available on request.		

FKFD46PS-1/M16

ID U2-28513



- M12 power receptacle
Backplane mounting
- Connector A: female connector, M12 × 1, S-coded
 - Number of pins: 3+PE
 - Receptacle housing: brass, CuZn, nickel plated
 - Mounting type: rear-mounted
 - Screw-in thread: M16 × 1.5
 - Receptacle housing: brass, CuZn, nickel plated
 - Rated voltage: 630 V
 - Ampacity: 12 A
 - Core cross-section: 4 × 16 AWG [similar to 1.50 mm²]
 - Storage temperature: -40...+85 °C
 - Protection class: IP68
 - Further information: www.turck.de/en/products/U2-28513

FSFD46PS-1/M16

ID U2-28504



- M12 power receptacle
Backplane mounting
- Connector A: male connector, M12 × 1, S-coded
 - Number of pins: 3+PE
 - Receptacle housing: brass, CuZn, nickel plated
 - Mounting type: rear-mounted
 - Screw-in thread: M16 × 1.5
 - Receptacle housing: brass, CuZn, nickel plated
 - Rated voltage: 630 V
 - Ampacity: 12 A
 - Core cross-section: 4 × 16 AWG [similar to 1.50 mm²]
 - Storage temperature: -40...+85 °C
 - Protection class: IP68
 - Further information: www.turck.de/en/products/U2-28504

Connection technology — connectors

FW-ERKPM0514-PL-S-0813

ID 100008139



Field-wireable connector

M12 power

female connector M12 × 1, straight

- Connector A: female connector, M12 × 1, straight, L-coded
- Number of pins: 4+FE
- Grip: plastic, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Connection mode: screw/clamp connection
- Core cross-section/terminal capacity: 0.75...2.5 mm²
- Outer diameter of cable: 8...13 mm
- Rated voltage: 63 VDC/50 VAC
- Ampacity: 16 A
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Approvals: cULus Recognized
- Further information: www.turck.de/en/products/100008139

FW-ERSPM0514-PL-S-0813

ID 100008140



Field-wireable connector

M12 power

male connector M12 × 1, straight

- Connector A: male connector, M12 × 1, straight, L-coded
- Number of pins: 4+FE
- Grip: plastic, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Connection mode: screw/clamp connection
- Core cross-section/terminal capacity: 0.75...2.5 mm²
- Outer diameter of cable: 8...13 mm
- Rated voltage: 63 VDC/50 VAC
- Ampacity: 16 A
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Approvals: cULus Recognized
- Further information: www.turck.de/en/products/100008140

FW-ERKPM0414-PS-S-0810

ID 100026332



Field-wireable connector

M12 power

female connector M12 × 1, straight

- Connector A: female connector, M12 × 1, straight, S-coded
- Number of pins: 3+PE
- Grip: plastic, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Connection mode: screw/clamp connection
- Core cross-section/terminal capacity: 0.75...2.5 mm²
- Outer diameter of cable: 8...10 mm
- Rated voltage: 630 V
- Ampacity: 0
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Approvals: cULus Recognized
- Further information: www.turck.de/en/products/100026332

FW-ERSPM0414-PS-S-0810

ID 100026333



Field-wireable connector

M12 power

male connector M12 × 1, straight

- Connector A: male connector, M12 × 1, straight, S-coded
- Number of pins: 3+PE
- Grip: plastic, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Connection mode: screw/clamp connection
- Core cross-section/terminal capacity: 0.75...2.5 mm²
- Outer diameter of cable: 8...10 mm
- Rated voltage: 630 V
- Ampacity: 0
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Approvals: cULus Recognized
- Further information: www.turck.de/en/products/100026333

FW-M12ST5D-G-SB-ME-SH-8

ID 6604218



Field-wireable connector

Male connector M12 × 1, straight

- Network protocol: Ethernet
- Connector A: male connector, M12 × 1, straight, D-coded
- Number of pins: 4
- Grip: die-cast zinc, GD-Zn, nickel plated, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Connection mode: screw/clamp connection
- Core cross-section/terminal capacity: 0.14...0.75 mm²
- Outer diameter of cable: 5...8 mm
- Rated voltage: 250 V
- Ampacity: 0.166666666666667
- Shielding: yes
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Approvals: UL
- Further information: www.turck.de/en/products/6604218

FW-M12KU5D-G-SB-ME-SH-8

ID 6604219



Field-wireable connector

Female Connector M12 × 1, straight

- Network protocol: Ethernet
- Connector A: female connector, M12 × 1, straight, D-coded
- Number of pins: 4
- Grip: die-cast zinc, GD-Zn, nickel plated, black
- Coupling nut/screw: die-cast zinc, GD-Zn, nickel plated
- Connection mode: screw/clamp connection
- Core cross-section/terminal capacity: 0.14...0.75 mm²
- Outer diameter of cable: 5...8 mm
- Rated voltage: 250 V
- Ampacity: 0.166666666666667
- Shielding: yes
- Storage temperature: -40...+85 °C
- Protection class: IP67
- Approvals: UL
- Further information: www.turck.de/en/products/6604219

Connection technology — junction boxes

VB2-FSM5-2FKM4.4/S2087

ID 6930563



2-way junction box

Y-splitter without cable, M12 × 1 male connector — 2 × M12 × 1 female connectors

- Connector A: male connector, M12 × 1
- Number of pins: 5
- Grip: plastic, TPU, black
- Connector B: 2 × female connectors, M12 × 1
- Number of pins: 4
- Grip: plastic, TPU, black
- Coupling nut/screw: brass, nickel plated
- Rated voltage: 60 V
- Ampacity: 4 A
- Ambient temperature: -30...+90 °C
- Protection class: IP67
- Further information: www.turck.de/en/products/6930563

VH2-M12L-M5-2F5

ID 100028587



M12 power splitters

Small h-splitter

- Housing material: plastic, TPU
- Connector A: male connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 63 V
- Ampacity: 16 A
- Storage temperature: -30...+90 °C
- Protection class: IP65/IP67/IP68
- Approvals: cULus
- Further information: www.turck.de/en/products/100028587

VH2-M12S-M4-2F4

ID 100028588



M12 power splitters

Small h-splitter

- Housing material: plastic, TPU
- Connector A: male connector, M12 × 1, S-coded
- Number of pins: 3+PE
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, S-coded
- Number of pins: 3+PE
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 600 V
- Ampacity: 12 A
- Storage temperature: -30...+90 °C
- Protection class: IP65/IP67/IP68
- Approvals: cULus
- Further information: www.turck.de/en/products/100028588

VH3-M12L-M5-3F5

ID 100028591



M12 power splitters

Large H-splitter

- Housing material: plastic, TPU
- Connector A: male connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 63 V
- Ampacity: 16 A
- Storage temperature: -30...+90 °C
- Protection class: IP65/IP67/IP68
- Approvals: cULus
- Further information: www.turck.de/en/products/100028591

VH3-M12S-M4-3F4

ID 100028592



M12 power splitters

Large H-splitter

- Housing material: plastic, TPU
- Connector A: male connector, M12 × 1, S-coded
- Number of pins: 3+PE
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, S-coded
- Number of pins: 3+PE
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 600 V
- Ampacity: 12 A
- Storage temperature: -30...+90 °C
- Protection class: IP65/IP67/IP68
- Approvals: cULus
- Further information: www.turck.de/en/products/100028592

VT2-M12L-M5-2F5

ID 100028579



M12 power splitters

T-splitter

- Housing material: plastic, TPU
- Connector A: male connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, L-coded
- Number of pins: 4+FE
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 63 V
- Ampacity: 16 A
- Storage temperature: -30...+90 °C
- Protection class: IP65/IP67/IP68
- Approvals: cULus
- Further information: www.turck.de/en/products/100028579

VT2-M12S-M4-2F4

ID 100028580



M12 power splitters

T-splitter

- Housing material: plastic, TPU
- Connector A: male connector, M12 × 1, S-coded
- Number of pins: 3+PE
- Coupling nut/screw: brass, CuZn, nickel plated
- Connector B: female connector, M12 × 1, S-coded
- Number of pins: 3+PE
- Coupling nut/screw: brass, CuZn, nickel plated
- Rated voltage: 600 V
- Ampacity: 12 A
- Storage temperature: -30...+90 °C
- Protection class: IP65/IP67/IP68
- Approvals: cULus
- Further information: www.turck.de/en/products/100028580

Turck Branches — contact details

Germany	Hans Turck GmbH & Co. KG Witzlebenstraße 7, 45472 Mülheim an der Ruhr www.turck.de
Australia	Turck Australia Pty Ltd Building 4, 19-25 Duerdin Street, Notting Hill, 3168 Victoria www.turck.com.au
Austria	Turck GmbH Graumannsgasse 7/A5-1, A-1150 Vienna www.turck.at
Belgium	TURCK MULTIPROX Lion d'Orweg 12, B-9300 Aalst www.multiprox.be
Brazil	Turck do Brasil Automação Ltda. Rua Anjo Custódio Nr. 42, Jardim Anália Franco, CEP 03358-040 São Paulo www.turck.com.br
Canada	Turck Canada Inc. 140 Duffield Drive, CDN-Markham, Ontario L6G 1B5 www.turck.ca
China	Turck (Tianjin) Sensor Co. Ltd. 18,4th Xinghuazhi Road, Xiqing Economic Development Area, 300381 Tianjin www.turck.com.cn
Czech Republic	TURCK s.r.o. Na Brně 2065, CZ-500 06 Hradec Králové www.turck.cz
France	TURCK BANNER S.A.S. 11 rue de Courtalin Bat C, Magny Le Hongre, F-77703 MARNE LA VALLEE Cedex 4 www.turckbanner.fr
Hungary	TURCK Hungary kft. Árpád fejedelem útja 26-28., Óbuda Gate, 2. em., H-1023 Budapest www.turck.hu
India	TURCK India Automation Pvt. Ltd. 401-403 Aurum Avenue, Survey. No 109 /4, Near Cummins Complex, Baner-Balewadi Link Rd., 411045 Pune - Maharashtra www.turck.co.in
Italy	TURCK BANNER S.R.L. Via San Domenico 5, IT-20008 Bareggio (MI) www.turckbanner.it
Japan	TURCK Japan Corporation ISM Akihabara 1F, 1-24-2, Taito, Taito-ku, 110-0016 Tokyo www.turck.jp

Korea	Turck Korea Co, Ltd. A605, 43, Iljik-ro, Gwangmyeong-si 14353 Gyeonggi-do www.turck.kr
Malaysia	Turck Banner Malaysia Sdn Bhd Unit A-23A-08, Tower A, Pinnacle Petaling Jaya, Jalan Utara C, 46200 Petaling Jaya Selangor www.turckbanner.my
Mexico	Turck Comercial, S. de RL de CV Blvd. Campestre No. 100, Parque Industrial SERVER, C.P. 25350 Arteaga, Coahuila www.turck.com.mx
Netherlands	Turck B. V. Ruiterlaan 7, NL-8019 BN Zwolle www.turck.nl
Poland	TURCK sp.z.o.o. Wroclawska 115, PL-45-836 Opole www.turck.pl
Romania	Turck Automation Romania SRL Str. Siriului nr. 6-8, Sector 1, RO-014354 Bucuresti www.turck.ro
Sweden	Turck AB Fabriksstråket 9, 433 76 Jonsered www.turck.se
Singapore	TURCK BANNER Singapore Pte. Ltd. 25 International Business Park, #04-75/77 (West Wing) German Centre, 609916 Singapore www.turckbanner.sg
South Africa	Turck Banner (Pty) Ltd Boeing Road East, Bedfordview, ZA-2007 Johannesburg www.turckbanner.co.za
Turkey	Turck Otomasyon Ticaret Limited Sirketi Inönü mah. Kayisdagi c., Yesil Konak Evleri No: 178, A Blok D:4, 34755 Kadiköy/ Istanbul www.turck.com.tr
United Kingdom	TURCK BANNER LIMITED Blenheim House, Hurricane Way, GB-SS11 8YT Wickford, Essex www.turckbanner.co.uk
USA	Turck Inc. 3000 Campus Drive, USA-MN 55441 Minneapolis www.turck.us

TURCK

Your Global Automation Partner

Over 30 subsidiaries and
60 representations worldwide!

100048811 | 2024/07



www.turck.com