Your Global Automation Partner

TURCK

Connectivity
Type Codes

M8 – Connection and Extension Cables

PKGV3M – P7X2 – 5 – * / TXL

PKGV3M Grip body – **P7X2** LED – **5** Cable length –

Lock
- **M** Metric
- **S** Snap-on
- **Z** Snap-on, with pull-off protection

Pins and wires
- **3** 3-pin, 3-wire
- **4** 4-pin, 4-wire

Coupling nut
- **Blank** Nickel-plated brass
- **V** Stainless steel
- **H** Hygienic design (incl. Stainless steel nut)
- **S** Nut, Nickel-plated brass, shielded

Alignment
- **G** Straight
- **W** Angled

Version
- **K** Female
- **S** Male

Connector M8/Ø 8 mm

LED
- **Blank** Without LED
- **P7X2** 2 PNP LED, Pin 4 = YE, Power = GN
- **N7X2** NPN LED, Pin 4 = YE, Power = GN

***** Wildcard extension cable / **TXL** Cable quality

Wildcard extension cable
- **Blank** Connection cable
- **PSGV3M** Extension cable: male type (example), see Grip body

Cable length [m]
- **5** 5 m
- **…** …m

Cable quality
- **TXL** PUR, black, halogen-free
- **TXG** PUR, gray, halogen-free
- **TXO** PUR, orange, halogen-free
- **TXY** PUR, yellow, halogen-free
- **TEL** PVC, black
- **TEG** PVC, gray
- **TEY** PVC, yellow
- **TFE** PVC, gray (Food & Beverage)
- **TFW** PP, white, halogen-free (Food & Beverage)
- **TFG** PP, gray, halogen-free (Food & Beverage)

M8 – Receptacles

PFKS4F – 0.5 / S

P Design

Design
- **P** M8 straight

F Connector type

Connector type
- **F** Receptacle

K Version

Version
- **K** Female
- **S** Male

S Lock

Lock
- **Blank** Snap-on
- **S** M8 thread

4 Pins

Pins
- **3** 3-pin
- **4** 4-pin

F Installation –

Installation
- **Blank** Front-panel mounting
- **F** Rear-panel mounting

0.5 Connection / **S** Special design

Connection
- **0.5** Stranded wire, 0.5 m
- **P** Print contacts
- **L** Solder contacts

Special design

M12 – Connection and Extension Cables

RKCV4T – P7X2 – 5 – * / TXL

RKCV4T Grip body – **P7X2** LED – **5** Cable length –

Version with anti-kink Sleeve
- **T** Sleeve
- **Q** Quick connect

Pins and wires
- **4** 4-pin, 3-wire
- **4.4** 4-pin, 4-wire
- **4.5** 5-pin, 5-wire Pin 5 = GY
- **5** 5-pin, 5-wire Pin 5 = GN/YE

Coupling nut
- **Blank** Nickel-plated brass
- **V** Stainless steel

Housing
- **C** Standard
- **S** Shield on coupling nut
- **H** Hygienic design (incl. Stainless steel nut)

Version
- **K** Female
- **S** Male

Connector
- **R** M12, straight
- **W** M12, angled

LED
- **Blank** Without LED
- **P7X2** 2 PNP LED, Pin 4 = YE Power = GN
- **P7X3** 3 PNP LED, Pin 2 = YE, Pin 4 = YE, Power = GN
- **P7X3.1** 3 PNP LED, Pin 2 = RD, Pin 4 = YE, Power = GN
- **P7X3.2** 3 PNP LED, Pin 2 = WH, Pin 4 = YE, Power = GN
- **N7X…** NPN, LED, Number and Color analog P7X…

Cable length [m]
- **5** 5 m
- **…** …m

***** Wildcard extension cable / **TXL** Cable quality

Wildcard extension cable
- **Blank** Connection cable
- **RSCV4T** Extension cable: male type (example), see Grip body

Cable quality
- **TXB** PUR, blue (NAMUR)
- **TXL** PUR, black, halogen-free
- **TXG** PUR, gray, halogen-free
- **TXO** PUR, orange, halogen-free
- **TXY** PUR, yellow, halogen-free
- **TEB** PVC, blue (NAMUR)
- **TEL** PVC, black
- **TEG** PVC, gray
- **TEY** PVC, yellow
- **TFE** PVC, gray (Food & Beverage)
- **TFG** PP, gray, halogen-free (Food & Beverage)
- **TFW** PP, white, halogen-free (Food & Beverage)

M12 – Receptacles

EC – FKDHE4 – * / 16 / S

EC Mounting thread – **F** Connector type **K** Version

Mounting thread
- **EC** Mounting thread, metric
- **Blank** Mounting thread PG

Connector type
- **F** Receptacle

Version
- **K** Female
- **S** Male

D Alignment **H** Alignment **E** Housing/Coding

Alignment
- **D** Rotatable

Alignment
- **H** Hight adjustment with locknut

Housing/Coding
- **E** Stainless steel
- **W** B-coded (PROFIBUS-DP)

4 Pins – ***** Connection / **16** Mounting thread /

Pins
- **3** 3-pin
- **4** 4-pin
- **5** 5-pin
- **8** 8-pin
- **12** 12-pin

Connection
- **0.5** Stranded wire, 0.5 m
- **L** Solder contacts
- **P** Print contacts

Mounting thread
- **16** M16
- **20** M20
- **Blank** PG9
- **13.5** PG13.5

S Special design

Special design

7/8" – Connection and Extension Cables

RKM43 – 5M – *

RKM43 Grip body – **5M** Cable length – ***** Wildcard extension cable

Serial number
- **3**

Pins and wires
- **2** 2-pin, 2-wire
- **3** 3-pin, 3-wire
- **4** 4-pin, 4-wire
- **5** 5-pin, 5-wire
- **6** 6-pin, 6-wire

Coupling nut
- **M** Nickel-plated brass
- **MV** Stainless steel

Version
- **K** Female
- **S** Male

Alignment
- **R** 7/8", straight
- **W** 7/8", angled

Cable length [m]
- **5M** 5 m
- **…M** …m

Wildcard extension cable
- **Blank** Connection cable
- **RSM43** Extension cable: male type (example), see Grip body

M23 – Connection and Extension Cables

CKCWMV – * 12 – 12 – 5 / TXL

CKCWMV Grip body – ***** Wildcard extension cable **12** Pins

Coupling nut
- **Blank** Nickel-plated brass
- **V** Stainless steel

Connector
- **Blank** Metal connector, field-wireable
- **M** Plastic, overmolded

Alignment
- **Blank** Straight
- **W** Angled

Color code (cores)
- **Blank** DC, color code North America
- **C** DC, color code Europe, (preferably 12-pin)

Version
- **K** Female contact, coupling nut
- **S** Male contact, coupling nut

M23 connector

Wildcard extension cable
- **Blank** Connection cable
- **CKCWMV** Extension cable: female type (example), see Grip body

Pins
- **7** 7-pin
- **12** 12-pin
- **16** 16-pin
- **19** 19-pin

12 Number of conductors – **5** Cable length /

Number of conductors
- **…** Number of conductors

Cable length [m]
- **5** 5 m
- **…** …m

TXL Cable quality –

Cable quality
- **Blank** PVC, gray
- **TXL** PUR, black, halogen-free
- **S 90** PUR, gray

Valve Connector

V A S 22 – A 80E – 5 – * / TXL

V DIN 43650 valve connector

DIN 43650 valve connector

- **T** Cable outlet on PE
- **V** Cable outlet opposite to PE

A Design

Design

- **A** 27.5 × 27.5 mm; 18 mm contact gap
- **B** 21.5 × 28 mm; 10 mm contact gap
- **I** 21.5 × 28 mm; 11 mm contact gap
- **C8** 16 × 16 mm; 8 mm contact gap
- **C9** 16 × 16 mm; 9.4 mm contact gap

S Housing material

Housing material

- **S** TPU, black translucent

22 Assignment

Assignment

- **02** 2 contacts + PE
- **03** 3 contacts + PE
- **04** 3 contacts + PE for pressure switches
- **22** 2 contacts + 2 PE bridged

– A Visualization/Wiring

Visualization/Wiring

- **A** no, no, 230 VAC/DC
- **B** LED yellow, without, 24…48 VAC/DC
- **D** LED yellow, Varistor, 24…48 VAC/DC
- **E** LED yellow, Varistor, 230 VAC/DC
- **F** LED yellow, diode, 24…48 VDC
- **K** LED green/red (pressure switch), 24 VDC
- **L** LED yellow, no, 24 VAC/DC
- **M** LED yellow, no, 48 VAC/DC
- **P** LED yellow, Varistor, 24 VAC/DC
- **R** LED yellow, Varistor, 48 VAC/DC
- **S** LED yellow, transil diode, 24 VAC/DC
- **T** LED yellow, Z-diode, 24 VAC/DC

80E Cable type

Cable type

- **W** Molded connector
- **80E** 3 × 0.75 mm²
- **81E** 4 × 0.75 mm²

5 Cable length

Cable length [m]

- **5** 5 m
- **…** …m

– * Extension cable

Extension cable

- **RSC5T** Extension cable: connector type/grip body (example)
- **DAS…** Valve connector on cordset only design type A, cable type 81E, cable length from valve connector 2

/ TXL Cable quality

Cable quality

- **TXL** PUR, black, halogen-free
- **TEG** PVC, gray

Ethernet – M8 and RJ45 – Connection and Extension Cables

PSGSV4M – * – 4416 – 5M

RJ45 – * – 4416 – 5M

PSGSV4M Grip body

Lock
- **M** M8 nut

Pins and wires
- **4** 4-pin, 4-wire

Special version
- **Blank** Nickel-plated brass
- **V** Coupling nut: stainless steel

Shield
- **S** Shield on coupling nut

Alignment
- **G** Straight
- **W** Angled

Version
- **K** Female
- **S** Male

M8 connector (A-coded)

***** Wildcard extension cable

Wildcard extension cable
- **Blank** Connection cable
- **PSG…** Extension cable: male type M8 (example), see Grip body
- **RJ45…** Extension cable: male type (example), see Grip body

4416 Cable type

Cable type
- **4414** PUR, green, halogen-free
- **4416** PUR, green, halogen-free, qualified for drag chain use and torsional load

RJ45 S Grip body

Version
- **S** Shield on housing, straight
- **SE** Shield on housing, angled, lock on the side of the cable outlet
- **SI** Shield on housing, angled, lock on the opposite side of the cable outlet

RJ45 Connector

5M Cable length

Cable length [m]
- **5M** 5 m
- **…M** …m

Ethernet – M12 and RJ45 – Connection and Extension Cables

RSSDV – * – 4416 – 5M

RJ45 S – * – 4416 – 5M

RSSDV Grip body

Special version
- **Blank** Nickel-plated brass
- **V** Coupling nut: stainless steel

Coding
- **D** D-coded

Shield
- **S** Shield on coupling nut

Version
- **K** Female
- **S** Male

Alignment
- **R** M12, straight
- **W** M12, angled

***** Wildcard extension cable

Wildcard extension cable
- **Blank** Connection cable
- **RKSD** Extension cable: male type M12 (example), see Grip body
- **RJ45S** Extension cable: male type (example), see Grip body

4416 Cable type

Cable type
- **4416** PUR, green, halogen-free
- **44…** (4-wire)
- **8…** (8-wire)

RJ45 S Grip body

Version
- **S** Shield on housing, straight
- **SE** Shield on housing, angled, lock on the side of the cable outlet
- **SI** Shield on housing, angled, lock on the opposite side of the cable outlet

RJ45 Connector

5M Cable length

Cable length [m]
- **5M** 5 m
- **…M** …m

BL ident – RFID Connection Cables

RK4.5T – 5 – S2503

RK4.5T Design, female connector – **5** Cable length – **S2503** Cable quality

Design, female connector
- **RK4.5T** Female, straight, 5-pin
- **WK4.5T** Female, angled, 5-pin

Cable length
- **0.3** 0.3 m
- **2** 2 m
- **5** 5 m
- **10** 10 m
- **25** 25 m
- **50** 50 m

Cable quality
- **S2503** PUR, black, qualified for drag chain use

PROFIBUS-DP – Connection and Extension Cables

RSSWV – * – 451 – 5M

RSSWV Grip body – * Wildcard extension cable – **451** Cable type –

Coupling nut
- **blank** Nickel-plated brass
- **V** Stainless steel

Coding
- **W** B-coded

Shield
- **S** Shield on coupling nut

Version
- **K** Female
- **S** Male

Alignment
- **R** M12, straight
- **W** M12, angled

Wildcard extension cable
- **Blank** Connection cable
- **RKSW** Extension cable: female type/ grip body (example)

5M Cable length

Cable length [m]
- **5M** 5 m
- **…M** …m

Cable type
- **451** PROFIBUS-DP, PUR, qualified for drag chain use
- **452** PROFIBUS-DP, PVC, only rigid installation
- **458** PROFIBUS-DP, PUR, qualified for drag chain use and torsional load

DeviceNet – Connection and Extension Cables

RSCV – * – 5701 – 5M

RSCV Grip body – * Wildcard extension cable – **5701** Cable type –

Coupling nut
- **blank** Coupling nut: nickel-plated brass
- **V** Coupling nut: stainless steel

Mechanical Connection
- **C** M12
- **M** 7/8"

Version
- **K** Female
- **S** Male

Alignment
- **R** Straight
- **W** Angled

Wildcard extension cable
- **Blank** Connection cable
- **RKC** Extension cable: female

5M Cable length

Cable length [m]
- **5M** 5 m
- **…M** …m

Cable type
- **5701** Thin PUR, halogen-free, qualified for drag chain use
- **572** Thin PVC, only rigid installation
- **5711** Mid PVC, only rigid installation
- **579** Thick PVC, only rigid installation

Sensor/Actuator-Box – Homerun Cable

TB – 8 M12 V – 5 P 3 – 5 – CSM19 / TXL

TB Product series

- **TB** Junction box

– 8 M12 V Ports

- **Material threaded sleeve**
  - **Blank** Nickel-plated brass
  - **V** Stainless steel
- **Connector**
  - **M12** M12 × 1
- **Number of ports**
  - **4** 4 ports
  - **6** 6 ports
  - **8** 8 ports

– 5 P 3 Assignment –

- **Number of LEDs (if available)**
  - **2** 1 power + 1 signal LED/port
  - **3** 1 power + 1 signal LED/port
- **LED**
  - **Blank** Without LED
  - **P** LED, PNP
  - **N** LED, NPN
- **Singals per port**
  - **4** 1 signal/port
  - **5** 2 signals/port

5 Cable length

- **Cable length**
  - **5** 5 m
  - **…** …m

– CSM19 Connection

- **Injection-moulded connector (if available)**
  - **CSMV12** 12-pin M23 (stainless steel)
  - **CSM19** 19-pin M23 (Nickel-plated brass)

/ TXL Special design

- **Special design**
  - **TXL** PUR, black, halogen-free
  - **CS…** Customer specific

Sensor/Actuator-Box – Connector

TB – 8 M12 V – 5 P 3 – CS19 T

TB Product series

- **TB** Junction box

– 8 M12 V Ports

- **Material threaded sleeve**
  - **Blank** Nickel-plated brass
  - **V** Stainless steel
- **Connector**
  - **M12** M12 × 1
- **Number of ports**
  - **4** 4 ports
  - **6** 6 ports
  - **8** 8 ports

– 5 P 3 Assignment –

- **Number of LEDs (if available)**
  - **2** 1 power + 1 signal LED/port
  - **3** 1 power + 1 signal LED/port
- **LED**
  - **Blank** Without LED
  - **P** LED, PNP
  - **N** LED, NPN
- **Singals per port**
  - **4** 1 signal/port
  - **5** 2 signals/port

CS19 T Connection

- **Port output**
  - **T** Top
  - **H** Side
- **Port**
  - **CSV12** 12-pin M23 (stainless steel)
  - **CS19** 19-pin M23 (nickel-plated brass)
  - **CSV19** 19-pin M23 (stainless steel)

Deutsch DT Series – Connection and Extension Cables

DT 06 – 2 S G – A – 5 / TXL

DT 06 Design

Version
- **04** Male
- **06** Female

Connector
- **DT** Deutsch DT connector

– 2 S G Connector

Thread
- **Blank** Without thread
- **G** Thread for closure cap

Version
- **S** Female
- **P** Male

Pins
- **2** 2-pin
- **3** 3-pin
- **4** 4-pin
- **6** 6-pin
- **8** 8-pin
- **12** 12-pin

– A LED/Circuitry –

LED/Circuitry
- **A** No LED/without
- **S** LED/Suppressor diode (only 2 and 3-pin)

5 Cable length [m] /

Cable length […]
- **5** 5 m
- **…** …m

TXL Cable quality

Cable quality
- **TXL** PUR, black, halogen-free
- **TEG** PVC, gray

Super-Seal Series – Connection Cables

TSS – 2 S – A – 5 / TXL

TSS Design

Design
- **TSS** Male connector Turck Super Seal

– 2 S Connector

Version
- **S** Female
- **P** Male

Pins
- **2** 2-pin
- **3** 3-pin
- **4** 4-pin
- **5** 5-pin
- **6** 6-pin

– A LED/Circuitry –

LED/Circuitry
- **A** No LED/without

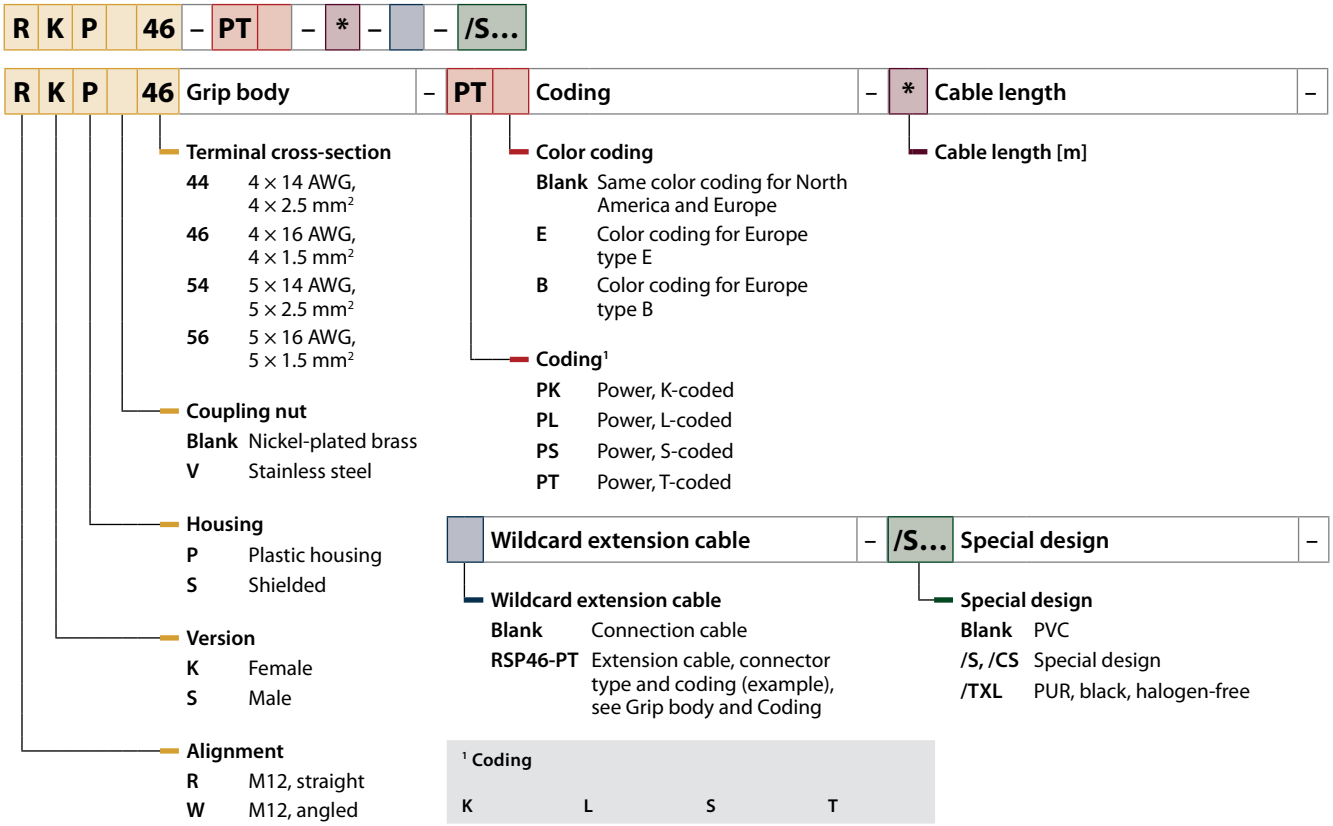
5 Cable length [m] /

Cable length […]
- **5** 5 m
- **…** … M

TXL Cable quality

Cable quality
- **TXL** PUR, black, halogen-free
- **TEG** PVC, gray

M12 – Power – Connection and Extension Cables



[1] Coding

K	L	S	T
1 = BK 1	1 = BN	1 = BK 1	1 = BN
2 = BK 2	2 = WH	2 = BK 2	2 = WH
3 = BK 3	3 = BU	3 = BK 3	3 = BU
4 = BK 4	4 = BK	–	4 = BK
PE = GN/YE	PE = GN/YE	PE = GN/YE	

M12 – Power – Field-wireable Connectors

R K P 56 PL S – 0 / S...

R K P 56 PL S Grip Body – **0** Cable Gland – **S...** Special Design

Connection Mode
- **L** Solder connection
- **S** Screw connection
- **I** Isolation displacing connector technology
- **F** Spring type terminal

Coding
- **PK** Power, K-coded
- **PL** Power, L-coded
- **PS** Power, S-coded
- **PT** Power, T-coded

Terminal Cross-section
- **46** 4 × 16…14 AWG 4 x 1,5…2,5 mm²
- **56** 5 × 16…14 AWG 5 x 1,5…2,5 mm²

Housing
- **P** Power plug body
- **Z** Metal housing
- S Shielded

Version
- **K** Female
- S Male

Alignment
- **R** M12, straight
- **W** M12, angled

Cable Gland
- **0** Cable Ø 8…10 mm

Special Design

M12 – Power – Receptacles

FK FD 46 – PL E – 0.5 / M16

FK FD 46 Design – **PL** Coding – ***** Color code (cores) –

Terminal cross-section
- **46** 4 × 16 AWG (BK, BN, BU, WH)
- **56** 5 × 16 AWG (BK, BN, BU, WH, GN/YE)

Mounting
- **Blank** Front-panel mounting
- **FD** Back-panel mounting

Design
- **FK** Female
- **FS** Male

Coding
- **PK** Power, K-coded
- **PL** Power, L-coded
- **PS** Power, S-coded
- **PT** Power, T-coded

0.5 Cable length / **M16** Mounting thread

Cable length [m]
- **0.5** 0.5 m
- **…** …m

Color code (cores)
- **Blank** K/L/T-coded, different color codes
- **E** S-coded, color code Europe
- **N** S-coded, different color codes

Mounting thread
- **16** M16

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