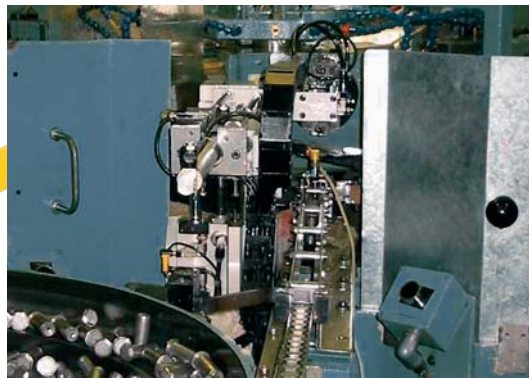
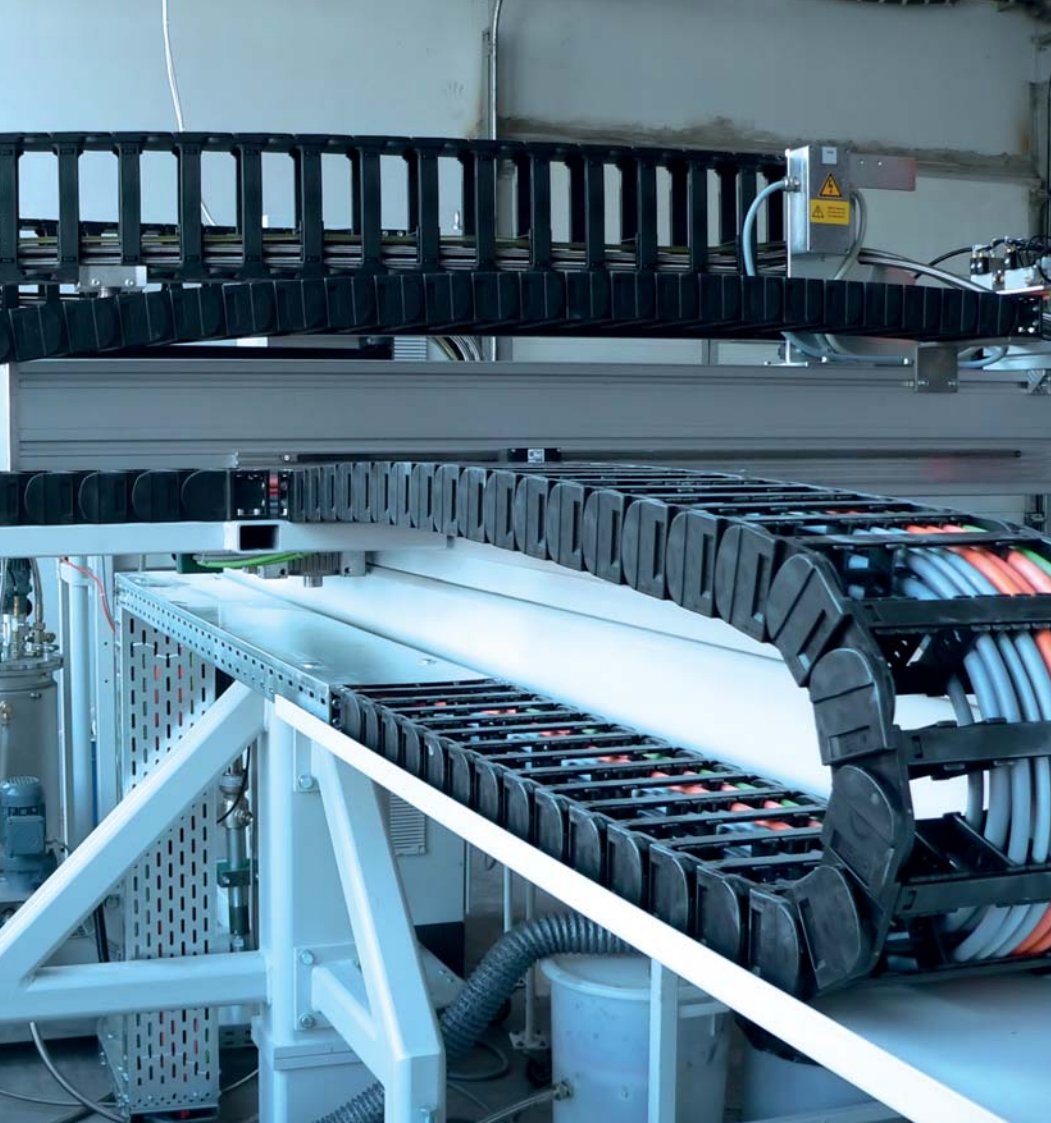


TURCK

**Industrial
Automation**

**CONNECTION
TECHNOLOGY
STANDARD M12/M8**



Sense it! Connect it! Bus it! Solve it!

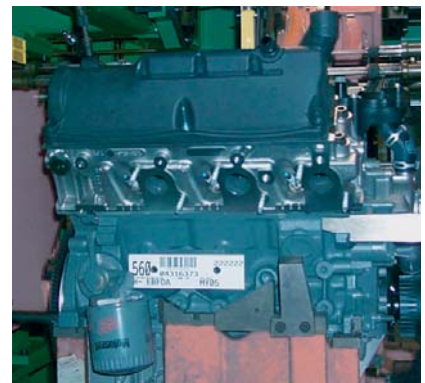
Standard M12/M8

The connection and extension cables from TURCK fulfill the most diverse requirements of the automation industry. The universally applicable standard series helps you to reduce your installation efforts and stock to a great extent.

Available are M8 x 1 and M12 x 1 types with female and male end, straight and angled as well as 3 and 4-pins versions. We also provide a 5-pin version of the M12 x 1 type. The entire product family is IP67 rated.



TXL TURCK eXtended Line	TEL TURCK Economy Line
PUR cable	PVC cable
Free from halogen, silicone, PVC and LABS	Free from silicone and LABS
Highly resistant to oils and chemicals	Conditionally resistant to oils and chemicals
Qualified for drag chain use	-
-	Resistant to acids and alkaline solutions
Flame retardant	Flame retardant
Resistant to weld splatter	-
Especially abrasion-resistant	-
cULus approval	cULus approval
RoHS conform	RoHS conform



Type code M12

R K C V 4 T - P7X2 - 5 - * / TEL

R K C V 4 T Grip - **P7X2** LED - **5** Cable length -

Sleeve

T sleeve

No. of pins and wires

4 4-pins
3 wires
1 = BR
3 = BU
4 = BK

4.4 4-pins
4 wires
1 = BR
2 = WH
3 = BU
4 = BK

4.5 5-pins
5 wires
1 = BR,
2 = WH
3 = BU
4 = BK
5 = GY

5 5-pins
5 wires
1 = BR
2 = WH
3 = BU
4 = BK
5 = GN/YE

Coupling nut

V stainless steel
blank brass
nickel-plated

Design

C housing type
S shield on coupling nut

Type

K female
S male

M12 connector

R straight
W angled

LED

blank without LED
P7X2 2 PNP LED
Pol 4 = YE
Power = GN
P7X3 3 PNP LED
Pol 2 = YE
Pol 4 = YE
Power = GN
P7X3.1 3 PNP LED
Pol 2 = RD
Pol 4 = YE
Power = GN
P7X3.2 3 PNP LED
Pol 2 = WH
Pol 4 = YE
Power = GN
N7Xx NPN same colors

Length

5 5 m

*** Placeholder**

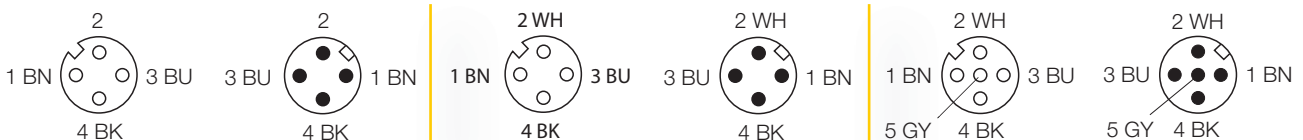
Placeholder for cable
blank connection cable
RSC extension cable

TEL Cable quality

Cable quality
TEL TURCK Economy Line (PVC)
TXL TURCK eXtended Line (PUR)



Wiring diagrams – M12



M12 connection cables (PVC)

Economy Line



Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins (wires)	Cable length
	RKC4T-2/TEL	6625010		4	2.0 m 5.0 m 10.0 m
	RKC4T-5/TEL	6625011		(3)	
	RKC4T-10/TEL	6625012			
	RKC4.4T-2/TEL	6625013		4	
	RKC4.4T-5/TEL	6625014	F	(4)	
	RKC4.4T-10/TEL	6625015			
	RKC4.5T-2/TEL	6625016		5	
	RKC4.5T-5/TEL	6625017		(5)	
	RKC4.5T-10/TEL	6625018			
	WKC4T-2/TEL	6625022		4	2.0 m 5.0 m 10.0 m
	WKC4T-5/TEL	6625023		(3)	
	WKC4T-10/TEL	6625024			
	WKC4.4T-2/TEL	6625025		4	
	WKC4.4T-5/TEL	6625026	F	(4)	
	WKC4.4T-10/TEL	6625027			
	WKC4.5T-2/TEL	6625028		5	
	WKC4.5T-5/TEL	6625029		(5)	
	WKC4.5T-10/TEL	6625030			
	RSC4T-2/TEL	6625034		4	2.0 m 5.0 m 10.0 m
	RSC4T-5/TEL	6625035		(3)	
	RSC4T-10/TEL	6625036			
	RSC4.4T-2/TEL	6625037		4	
	RSC4.4T-5/TEL	6625038	M	(4)	
	RSC4.4T-10/TEL	6625039			
	RSC4.5T-2/TEL	6625040		5	
	RSC4.5T-5/TEL	6625041		(5)	
	RSC4.5T-10/TEL	6625042			
	WSC4T-2/TEL	6625046		4	2.0 m 5.0 m 10.0 m
	WSC4T-5/TEL	6625047		(3)	
	WSC4T-10/TEL	6625048			
	WSC4.4T-2/TEL	6625049		4	
	WSC4.4T-5/TEL	6625050	M	(4)	
	WSC4.4T-10/TEL	6625051			
	WSC4.5T-2/TEL	6625052		5	
	WSC4.5T-5/TEL	6625053	M	(5)	
	WSC4.5T-10/TEL	6625054			

Other lengths and assignments on request

M12 extension cables (PVC)

Economy Line

TURCK

Industrial
Automation

Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins (wires)	Cable length	
	RKC4T-0,3-RSC4T/TEL	6625201	F/M	4 (3)	0.3 m 0.6 m 1.0 m 2.0 m 5.0 m	
	RKC4T-0,6-RSC4T/TEL	6625202				
	RKC4T-1-RSC4T/TEL	6625203				
	RKC4T-2-RSC4T/TEL	6625204				
	RKC4T-5-RSC4T/TEL	6625440				
	RKC4.4T-0,3-RSC4.4T/TEL	6625205		F/M		4 (4)
	RKC4.4T-0,6-RSC4.4T/TEL	6625206				
	RKC4.4T-1-RSC4.4T/TEL	6625207				
	RKC4.4T-2-RSC4.4T/TEL	6625208				
	RKC4.4T-5-RSC4.4T/TEL	6625441				
RKC4.5T-0,3-RSC4.5T/TEL	6625209	F/M	5 (5)			
RKC4.5T-0,6-RSC4.5T/TEL	6625210					
RKC4.5T-1-RSC4.5T/TEL	6625211					
RKC4.5T-2-RSC4.5T/TEL	6625212					
RKC4.5T-5-RSC4.5T/TEL	6625442					
	WKC4T-0,3-RSC4T/TEL	6625233	F/M	4 (3)		
	WKC4T-0,6-RSC4T/TEL	6625234				
	WKC4T-1-RSC4T/TEL	6625235				
	WKC4T-2-RSC4T/TEL	6625236				
	WKC4T-5-RSC4T/TEL	6625443				
	WKC4.4T-0,3-RSC4T/TEL	6625237		F/M	4 (4)	
	WKC4.4T-0,6-RSC4T/TEL	6625238				
	WKC4.4T-1-RSC4T/TEL	6625239				
	WKC4.4T-2-RSC4T/TEL	6625240				
	WKC4.4T-5-RSC4T/TEL	6625444				
	WKC4.5T-0,3-RSC4.5T/TEL	6625241		F/M	5 (5)	
	WKC4.5T-0,6-RSC4.5T/TEL	6625242				
	WKC4.5T-1-RSC4.5T/TEL	6625243				
	WKC4.5T-2-RSC4.5T/TEL	6625244				
	WKC4.5T-5-RSC4.5T/TEL	6625445				

Other lengths and assignments on request



M12 connection cables (PUR)

eXtented Line

Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins (wires)	Cable length
	RKC4T-2/TXL	6625500	F	4	2.0 m 5.0 m 10.0 m
	RKC4T-5/TXL	6625501		(3)	
	RKC4T-10/TXL	6625502		(4)	
	RKC4.4T-2/TXL	6625503		(4)	
	RKC4.4T-5/TXL	6625504		(4)	
	RKC4.4T-10/TXL	6625505		(5)	
	RKC4.5T-2/TXL	6625506		(5)	
	RKC4.5T-5/TXL	6625507		(5)	
	RKC4.5T-10/TXL	6625508		(5)	
	WKC4T-2/TXL	6625512	F	4	2.0 m 5.0 m 10.0 m
	WKC4T-5/TXL	6625513		(3)	
	WKC4T-10/TXL	6625514		(4)	
	WKC4.4T-2/TXL	6625515		(4)	
	WKC4.4T-5/TXL	6625516		(4)	
	WKC4.4T-10/TXL	6625517		(5)	
	WKC4.5T-2/TXL	6625518		(5)	
	WKC4.5T-5/TXL	6625519		(5)	
	WKC4.5T-10/TXL	6625520		(5)	
	RSC4T-2/TXL	6625524	M	4	2.0 m 5.0 m 10.0 m
	RSC4T-5/TXL	6625525		(3)	
	RSC4T-10/TXL	6625526		(4)	
	RSC4.4T-2/TXL	6625527		(4)	
	RSC4.4T-5/TXL	6625528		(4)	
	RSC4.4T-10/TXL	6625529		(5)	
	RSC4.5T-2/TXL	6625530		(5)	
	RSC4.5T-5/TXL	6625531		(5)	
	RSC4.5T-10/TXL	6625532		(5)	
	WSC4T-2/TXL	6625536	M	4	2.0 m 5.0 m 10.0 m
	WSC4T-5/TXL	6625537		(3)	
	WSC4T-10/TXL	6625538		(4)	
	WSC4.4T-2/TXL	6625539		(4)	
	WSC4.4T-5/TXL	6625540		(4)	
	WSC4.4T-10/TXL	6625541		(5)	
	WSC4.5T-2/TXL	6625542		(5)	
	WSC4.5T-5/TXL	6625543		(5)	
	WSC4.5T-10/TXL	6625544		(5)	

Other lengths and assignments on request

M12 extension cables (PUR)

eXtented Line

TURCK

Industrial
Automation

Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins (wires)	Cable length
	RKC4T-0,3-RSC4T/TXL	6625601	F/M	4 (3)	0.3 m 0.6 m 1.0 m 2.0 m 5.0 m
	RKC4T-0,6-RSC4T/TXL	6625602			
	RKC4T-1-RSC4T/TXL	6625603			
	RKC4T-2-RSC4T/TXL	6625604			
	RKC4T-5-RSC4T/TXL	6625730			
	RKC4.4T-0,3-RSC4.4T/TXL	6625605		4 (4)	
	RKC4.4T-0,6-RSC4.4T/TXL	6625606			
	RKC4.4T-1-RSC4.4T/TXL	6625607			
	RKC4.4T-2-RSC4.4T/TXL	6625608			
	RKC4.4T-5-RSC4.4T/TXL	6625731			
RKC4.5T-0,3-RSC4.5T/TXL	6625609	5 (5)			
RKC4.5T-0,6-RSC4.5T/TXL	6625610				
RKC4.5T-1-RSC4.5T/TXL	6625611				
RKC4.5T-2-RSC4.5T/TXL	6625612				
RKC4.5T-5-RSC4.5T/TXL	6625732				
	WKC4T-0,3-RSC4T/TXL	6625633	F/M	4 (3)	0.3 m 0.6 m 1.0 m 2.0 m 5.0 m
	WKC4T-0,6-RSC4T/TXL	6625634			
	WKC4T-1-RSC4T/TXL	6625635			
	WKC4T-2-RSC4T/TXL	6625636			
	WKC4T-5-RSC4T/TXL	6625733			
	WKC4.4T-0,3-RSC4.4T/TXL	6625637		4 (4)	
	WKC4.4T-0,6-RSC4.4T/TXL	6625638			
	WKC4.4T-1-RSC4.4T/TXL	6625639			
	WKC4.4T-2-RSC4.4T/TXL	6625640			
	WKC4.4T-5-RSC4.4T/TXL	6626878			
	WKC4.5T-0,3-RSC4.5T/TXL	6625641		5 (5)	
	WKC4.5T-0,6-RSC4.5T/TXL	6625642			
	WKC4.5T-1-RSC4.5T/TXL	6625643			
	WKC4.5T-2-RSC4.5T/TXL	6625644			
	WKC4.5T-5-RSC4.5T/TXL	6625735			

Other lengths and assignments on request



Type code M8

P K G V 3 M - P7X2 - 5 - * / TEL

P K G V 3 M Grip - **P7X2** LED - **5** Cable length -

Lockable

- M metric
- S snap-on

No. of pins and wires

- 3** 3-pins
3 wires
1 = BR
3 = BU
4 = BK
- 4** 4-pins
4 wires
1 = BR
2 = WH
3 = BU
4 = BK

Coupling nut

- V stainless steel
- blank brass
nickel-plated
- blank snap-on

Type

- G straight
- W angled

Type

- K female
- S male

M8 Connector

LED

- blank without LED
- P7X2 2 PNP LED
Pol 4 = YE
Power = GN
- N7Xx NPN same colors

Length

- 5 5 m



***** Placeholder / **TEL** Cable quality

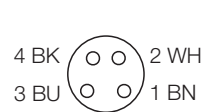
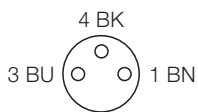
Placeholder for cable

- blank connection cable
- PSG extension cable

Cable quality

- TEL TURCK Economy Line (PVC)
- TXL TURCK eXtended Line (PUR)

Wiring diagrams – M8



M8 connection and extension cables (PVC)

Economy Line

TURCK

Industrial
Automation



Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins	Cable length
	PKG3M-2/TEL	6625058	F	3	
	PKG3M-5/TEL	6625059			
	PKG3M-10/TEL	6625060			
	PKG4M-2/TEL	6625061		4	
	PKG4M-5/TEL	6625062			
	PKG4M-10/TEL	6625063			
	PKW3M-2/TEL	6625064	F	3	2 m 5 m 10 m
	PKW3M-5/TEL	6625065			
	PKW3M-10/TEL	6625066			
	PKW4M-2/TEL	6625067		4	
	PKW4M-5/TEL	6625068			
	PKW4M-10/TEL	6625069			
	PSG3M-2/TEL	6625070	M	3	
	PSG3M-5/TEL	6625071			
	PSG3M-10/TEL	6625072			
	PSG4M-2/TEL	6625073		4	
	PSG4M-5/TEL	6625074			
	PSG4M-10/TEL	6625075			

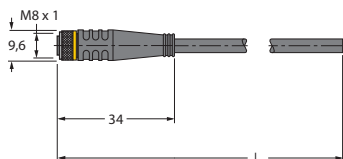
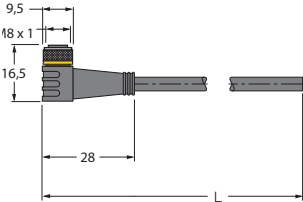
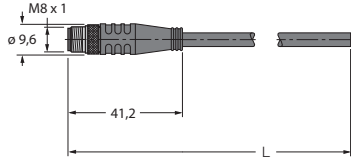
Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins	Cable length
	PKG3M-0,3-PSG3M/TEL	6625300	F/M	3	0.3 m 0.6 m 1 m 2 m 5 m
	PKG3M-0,6-PSG3M/TEL	6625301			
	PKG3M-1-PSG3M/TEL	6625302			
	PKG3M-2-PSG3M/TEL	6625303		4	
	PKG3M-5-PSG3M/TEL	6626547			
	PKG4M-0,3-PSG4M/TEL	6625305			
	PKG4M-0,6-PSG4M/TEL	6625306			
	PKG4M-1-PSG4M/TEL	6625307		3	
	PKG4M-2-PSG4M/TEL	6625308			
	PKG4M-5-PSG4M/TEL	6626491			
	PKW3M-0,3-PSG3M/TEL	6626512	F/M	3	
	PKW3M-0,6-PSG3M/TEL	6625299			
	PKW3M-1-PSG3M/TEL	6626523			
	PKW3M-2-PSG3M/TEL	6625297		4	
	PKW3M-5-PSG3M/TEL	6625298			
	PKW4M-0,3-PSG4M/TEL	6625291			
	PKW4M-0,6-PSG4M/TEL	6625292			
	PKW4M-1-PSG4M/TEL	6625293		4	
	PKW4M-2-PSG4M/TEL	6625294			
	PKW4M-5-PSG4M/TEL	6625295			

Other lengths and assignments on request

M8 connection cable (PUR)

eXtented Line

Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins	Cable length
	PKG3M-2/TXL	6625550	F	3	2 m 5 m 10 m
	PKG3M-5/TXL	6625551			
	PKG3M-10/TXL	6625552			
	PKG4M-2/TXL	6625553	4		
	PKG4M-5/TXL	6625554			
	PKG4M-10/TXL	6625555			
	PKW3M-2/TXL	6625556	F	3	
	PKW3M-5/TXL	6625557			
	PKW3M-10/TXL	6625558			
	PKW4M-2/TXL	6625559	4		
	PKW4M-5/TXL	6625560			
	PKW4M-10/TXL	6625561			
	PSG3M-2/TXL	6625562	M	3	
	PSG3M-5/TXL	6625563			
	PSG3M-10/TXL	6625564			
	PSG4M-2/TXL	6625565	4		
	PSG4M-5/TXL	6625566			
	PSG4M-10/TXL	6625567			

Other lengths and assignments on request



M8 extension cable (PUR)

eXtented Line

TURCK

Industrial
Automation

Standard product portfolio

Dimension drawing	Type code	Ident. no.	Connection F = female M = male	No. of pins	Cable length	
	PKG3M-0,3-PSG3M/TXL	6625665		3	0.3 m	
	PKG3M-0,6-PSG3M/TXL	6625666			0.6 m	
	PKG3M-1-PSG3M/TXL	6625667			1 m	
	PKG3M-2-PSG3M/TXL	6625668			2 m	
	PKG3M-5-PSG3M/TXL	6627147			5 m	
	PKG4M-0,12-PSG4M/TXL	6627043			4	0.12 m
	PKG4M-0,15-PSG4M/TXL	6625669				0.15 m
	PKG4M-0,3-PSG4M/TXL	6625670				0.3 m
	PKG4M-0,6-PSG4M/TXL	6625671				0,6 m
	PKG4M-1-PSG4M/TXL	6625672				1 m
PKG4M-2-PSG4M/TXL	6625673	2 m				
PKG4M-5-PSG4M/TXL	6627076	5 m				
	PKG3M-0,3-PSW3M/TXL	6625674	F/M	3		
	PKG3M-0,6-PSW3M/TXL	6625675				
	PKG3M-1-PSW3M/TXL	6625676				
	PKG3M-2-PSW3M/TXL	6625677				
	PKG3M-5-PSW3M/TXL	6626821				
	PKW3M-0,3-PSG3M/TXL	6627098		3	0.3 m	
	PKW3M-0,6-PSG3M/TXL	6627101			0.6 m	
	PKW3M-1-PSG3M/TXL	6627110			1 m	
	PKW3M-2-PSG3M/TXL	6627123			2 m	
	PKW3M-5-PSG3M/TXL	6626822			5 m	
	PKW4M-0,3-PSG4M/TXL	6626641			4	
	PKW4M-0,6-PSG4M/TXL	6626646				
	PKW4M-1-PSG4M/TXL	6626851				
	PKW4M-2-PSG4M/TXL	6626664				
	PKW4M-5-PSG4M/TXL	6626686				

Other lengths and assignments on request



TURCK

**Industrial
Automation**

www.turck.com



To get all product information, just scan the QR code with a smart-phone or webcam.

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