

Sensor technology PSEN® cable accessories

pilz

Cable for your safe solution.

the spirit of safety



► Sensor technology PSEN[®] cable accessories

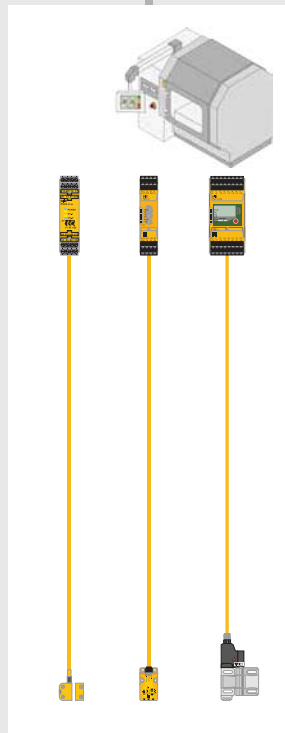
Safe, complete solutions

The sensor technology product area PSEN not only includes devices for position monitoring, safety switches, safety gate systems, optoelectronic protective devices and safe camera systems, but also an extensive range of accessories.

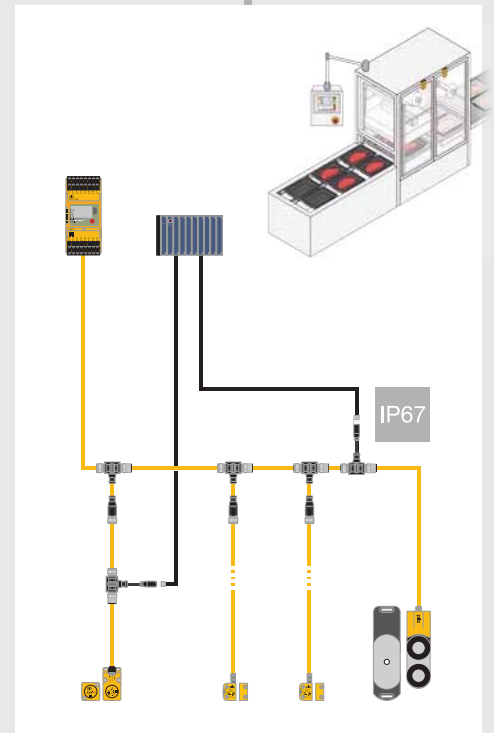
Pilz products can be interconnected in series and are compatible with products and interfaces from other manufacturers. They fit perfectly into your plant environment and also enable Pilz components to be retrofitted to your plant.

Just select the accessories that best suit your requirements and assemble your own individual system solution.

Sensor technology PSEN with direct connection



Sensor technology PSEN with integrated series connection ability and 8-pin connection



PSENini
All from page 4.



PSENcode



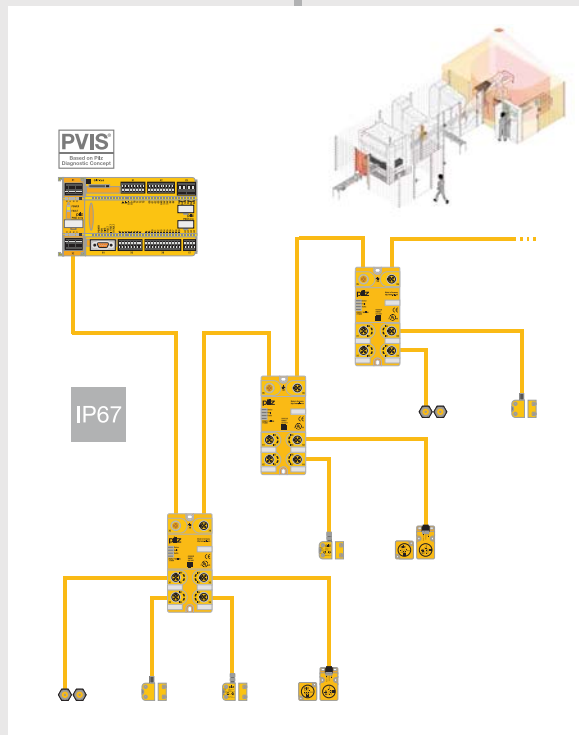
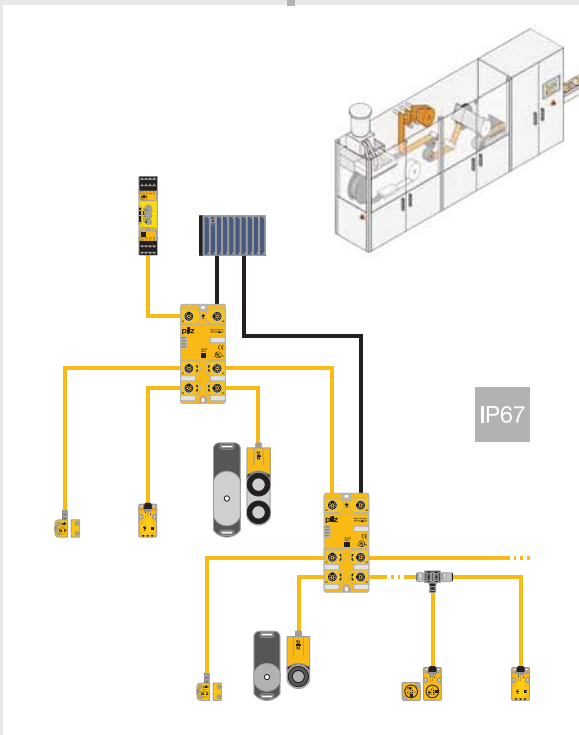
PSENlock

Type code for cable accessories

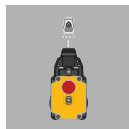
PSEN cable M8-8sf

Product area Pilz SENSors	Diameter Thread	Number of pins	Connector design	Connector type
Cable	M8 8 mm M12 12 mm	4 4-pin 5 5-pin 8 8-pin	s Straight a Angled	m Male connector f Female connector

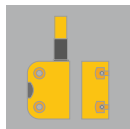
Sensor technology PSEN with 5-pin connection for PDP67 F 8DI ION and PNOZmulti



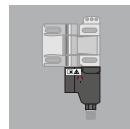
PSENmech
All from page 6.



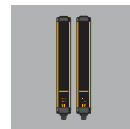
PSENrope



PSENmag
From page 8



PSENhinge
From page 10



PSENopt
From page 12





Selection guide – Cable for PSENIini, PSENIco

PSENIini, PSENIcode and PSENIlock – Cable selection for connection to any evaluation device



PSEN cable M8-8sf

Type	Description	Features
		Connection 1
PSEN cable M8-8sf	Cable for connection to any evaluation device	Straight, M8, 8-pin, socket
PSEN cable M12-8sf		Straight, M12, 8-pin, socket
PSEN cable M12-8af		Angled, M12, 8-pin, socket
PSEN cable M12-5sf		Straight, M12, 5-pin, socket
PSEN cable M12-5af		Angled, M12, 5-pin, socket

PSENIini, PSENIcode and PSENIlock – Cable selection for series connection



PSEN Y junction M12-M12/M12



PSEN cable M8-8sf M8-8sm

Type	Description
PSEN Y junction M8-M12/M12	Cable separator
PSEN Y junction M12-M12/M12	Cable separator
PSEN T junction M12	Diagnostic connector
PSEN cable M8-8sf M8-8sm	Extension cable
PSEN cable M8-8sf M8-8sm	Extension cable
PSEN cable M8-8sf M8-8sm	Extension cable
PSEN cable M12-8sf	Cable

PSENIini, PSENIcode and PSENIlock – Cable selection for connection to PDP67 F 4 code



PSEN cable M12-8sf



PDP67 F 4 code

Type	Description	Features
		Connection 1
PSEN cable M12-8sf	Cable for connection to PDP67 F 4 code	Straight, M12, 8-pin, socket
PSS67/PDP67 cable M12-8sm	Cable for connection to any evaluation device	Straight, M12, 8-pin, plug

Type	Description
PDP67 F 4 code	Passive junction for PSENIcode

de and PSENslock

Connection 2	Order number (by length)					
	2 m	3 m	5 m	10 m	20 m	30 m
Open-ended cable	533 150	-	533 151	533 152	533 153	533 154
	-	540 319	540 320	540 321	540 333	540 326
	-	540 322	540 323	540 324	-	540 325
	-	630 310	630 311	630 312	630 298	630 297
	-	630 347	630 348	630 349	-	630 350

Features	Order number
Series connection PSEN cs3.xx/PSEN cs4.xx with M8 plug connector, 8-pin	540 327
Series connection PSENcode, PSENiNi, PSENslock with M12 plug connector, 8-pin	540 328
<ul style="list-style-type: none"> ▶ PSENiNi, PSENcode, PSENslock: Signal output ▶ PSENslock: Lock signal 	540 331
0.5 m, straight, M8, 8-pin, socket/plug	533 155
1 m, straight, M8, 8-pin, socket/plug	533 156
2 m, straight, M8, 8-pin, socket/plug	533 157
5 m (see table below for additional cable lengths)	540 341

Connection 2	Order number (by length)					
	2 m	3 m	5 m	10 m	20 m	30 m
Straight, M12, 8-pin, plug	540 340	-	540 341	540 342	540 343	540 344
Open-ended cable	380 700	-	380 701	380 702	380 703	380 704

Features	Order number
<ul style="list-style-type: none"> ▶ Multiple interface PDP67, protection type IP67 ▶ Series connection up to PL e of EN ISO 13849-1, SIL CL 3 of EN/IEC 62061 and Cat. 4 of EN 954-1 	773 603



Selection guide – Cable for PSENIini, PSENCco

PSENIini, PSENCcode and PSENSlock – Cable selection for connection to PDP67 F 8DI ION/PSS67



PSS67/PDP67 cable M12-5sf



PDP67 F 8DI ION

Type	Description	Features
		Connection 1
PSS67/PDP67 cable M12-5sf	Cable for connection to PDP67 F 8DI ION/ PSS67	Straight, M12, 5-pin, socket
PSS67/PDP67 cable M12-5af		Angled, M12, 5-pin, socket

Type	Description
PDP67 F 8DI ION	Sensor junction box for decentralised periphery PNOZmulti

PSENIimech and PSENIIRope – Cable selection for connection to PDP67 F 8DI ION/PSS67



PSS67/PDP67 cable



PDP67 F 8DI ION

Type	Description	Features
		Connection 1
PSS67/PDP67 cable	Cable for connection to PDP67 F 8DI ION/ PSS67	Open-ended cable

Type	Description
PDP67 F 8DI ION	Sensor junction box for decentralised periphery PNOZmulti

de, PSENslock, PSENmech and PSENrope

Connection 2	Order number (by length)					
	2 m	3 m	5 m	10 m	20 m	30 m
Straight, M12, 5-pin, plug	-	380208	380209	380210	380220	380211
Angled, M12, 5-pin, plug	-	380212	380213	380214	-	380215

Features	Order number
Multiple interface PDP67, protection type IP67, PL e of EN ISO 13849-1, SIL CL 3 of EN/IEC 62061 and Cat. 4 of EN 954-1	773600

Connection 2	Order number (by length)					
	2 m	3 m	5 m	10 m	20 m	30 m
Straight, M12, 5-pin, plug	-	380705	-	380706	380707	380708

Features	Order number
Multiple interface PDP67, protection type IP67, PL e of EN ISO 13849-1, SIL CL 3 of EN/IEC 62061 and Cat. 4 of EN 954-1	773600



► Selection guide – Cable for PSENmag

PSENmag – Cable selection for connection to any evaluation device



PSEN cable M8-4sf

Type	Description	Features
		Connection 1
PSEN cable M8-4sf	Cable for connection to any evaluation device	Straight, M8, 4-pin, socket
PSEN cable M8-4af		Angled, M8, 4-pin, socket
PSEN cable M8-8sf		Straight, M8, 8-pin, socket
PSEN cable M12-8sf		Straight, M12, 8-pin, socket
PSEN cable M12-8af		Angled, M12, 8-pin, socket
PSEN cable M12-5sf		Straight, M12, 5-pin, socket

PSENmag – Accessory selection for series connection

Type	Description
PSEN ix1	Multiple interface (PSEN 1 series), IP20 protection type
PSEN i1	Multiple interface (PSEN 2 series), IP20 protection type

PSENmag – Cable selection for connection to PDP67 F 8DI ION/PSS67



PSS67/PDP67 cable M12-5sf

Type	Description	Features
		Connection 1
PSS67/PDP67 cable M12-5sf	Cable for connection to PDP67 F 8DI ION/ PSS67	Straight, M12, 5-pin, socket
PSS67/PDP67 cable M12-5af		Angled, M12, 5-pin, socket
PSS67/PDP67 cable M8-4sf ¹⁾		Straight, M8, 4-pin, socket
PSS67/PDP67 cable M8-4af ¹⁾		Angled, M8, 4-pin, socket



PDP67 F 8DI ION

Type	Description
PDP67 F 8DI ION	Sensor junction box for decentralised periphery PNOZmulti

Connection 2	Order number (by length)					
	2 m	3 m	5 m	10 m	20 m	30 m
Open-ended cable	533 111	-	533 121	533 131	-	533 141
	533 110	-	533 120	533 130	-	533 140
	533 150	-	533 151	533 152	533 153	533 154
	-	540 319	540 320	540 321	540 333	540 326
	-	540 322	540 323	540 324	-	540 325
	-	630 310	630 311	630 312	630 298	630 297

Features	Order number
<ul style="list-style-type: none"> ▶ Series connection up to PL c of EN ISO 13849-1, SIL CL 1 of EN/IEC 62061 and Cat. 2 of EN 954-1 ▶ Can be used for connection to: PNOZsigma, PNOZpower, PNOZ X, PNOZmulti, PSS 	535 120
<ul style="list-style-type: none"> ▶ Series connection up to PL c of EN ISO 13849-1, SIL CL 1 of EN/IEC 62061 and Cat. 2 of EN 954-1 ▶ Can be used for connection to: PNOZelog, PNOZmulti, PSS 	535 110

Connection 2	Order number (by length)					
	2 m	3 m	5 m	10 m	20 m	30 m
Straight, M12, 5-pin, plug	-	380 208	380 209	380 210	380 220	380 211
Angled, M12, 5-pin, plug	-	380 212	380 213	380 214	-	380 215
Straight, M12, 5-pin, plug	-	380 200	380 201	380 202	-	380 203
Angled, M12, 5-pin, plug	-	380 204	380 205	380 206	-	380 207

¹⁾ Requires an additional adapter, order number: 380 300

Features	Order number
Multiple interface PDP67, protection type IP67, PL e of EN ISO 13849-1, SIL CL 3 of EN/IEC 62061 and Cat. 4 of EN 954-1	773 600



▶ Selection guide – Cable for PSEnhinge

PSEnhinge – Cable selection for connection to any evaluation device



PSEN cable M12-4sf

Type	Description	Features
PSEN cable M12-4sf	Cable for connection to any evaluation device	Connection 1 Straight, M12, 4-pin, socket
PSEN cable M12-5sf		Straight, M12, 5-pin, socket
PSEN cable M12-5af		Angled, M12, 5-pin, socket

PSEnhinge – Cable selection for connection to PDP67 F 8DI ION/PSS67



PSS67/PDP67 cable M12-5sf

PSS67/PDP67 cable M12-5sf ¹⁾	Cable for connection to PDP67 F 8DI ION/ PSS67	Straight, M12, 5-pin, socket
PSS67/PDP67 cable M12-5af ¹⁾		Angled, M12, 5-pin, socket



PDP67 F 8DI ION

Type	Description
PDP67 F 8DI ION	Sensor junction box for decentralised periphery PNOZmulti

Connection 2	Order number (by length)				
	3 m	5 m	10 m	20 m	30 m
Open-ended cable	630300	630301	630302	-	630296
	630310	630311	630312	630298	630297
	630347	630348	630349	-	630350

Straight, M12, 5-pin, plug	380208	380209	380210	380220	380211
Angled, M12, 5-pin, plug	380212	380213	380214	-	380215



¹⁾ Requires an additional adapter, order number: 380300

Features	Order number
Multiple interface PDP67, protection type IP67, PL e of EN ISO 13849-1, SIL CL 3 of EN/IEC 62061 and Cat. 4 of EN 954-1	773600





► Selection guide – Cable for PSENOpt

PSENOpt – Cable selection for connection to any evaluation device

	Type	Description	Features
			Connection 1
 <i>PSEN op cable M12-4sf</i>	PSEN op cable M12-4sf	Cable for connection to any evaluation device	Unshielded, straight, M12, 4-pin, socket
	PSEN op cable M12-4af		Unshielded, angled, M12, 4-pin, socket
 <i>PSEN op cable M12-5sf</i>	PSEN op cable M12-5sf		Unshielded, straight, M12, 5-pin, socket
	PSEN op cable M12-5af		Unshielded, angled, M12, 5-pin, socket
PSEN op cable M12-4sf shielded	Shielded, straight, M12, 4-pin, socket		
PSEN op cable M12-4af shielded	Shielded, angled, M12, 4-pin, socket		
PSEN op cable M12-8sf shielded	Shielded, straight, M12, 8-pin, socket		
PSEN op cable M12-8af shielded	Shielded, angled, M12, 8-pin, socket		

PSENOpt – Accessory selection for cascadable light grids

	Type	Description	Features
			Connection 1
 <i>PSEN op connector M12-5f</i>	PSEN op connector M12-5f	M12 coupling sockets, for cascade master in standalone mode	M12, 5-pin, socket
 <i>PSEN op cable M12-4sf</i>	PSEN op cable axial M12-5sf shielded	Cable for cascading	Shielded, straight, M12, 5-pin, socket
	PSEN op cable M12-4sf shielded	Cable for L-Muting	Shielded, straight, M12, 4-pin, socket
	PSEN op cablesset M12-4sf shielded	Y-cable for T-Muting	Shielded, straight, M12, 4-pin, socket

Connection 2	Order number (by length)			
	3 m	5 m	10 m	30 m
Open-ended cable	630300	630301	630302	630296
	630341	630342	630343	630344
	630310	630311	630312	630297
	630347	630348	630349	630350
	630303	360304	630305	630309
	630306	630307	630308	630319
	630313	630314	630315	630328
	630316	630317	630318	630329

Connection 2	Order number (by length)		
	0.5 m	0.75 m	1 m
-	630285	-	-
Shielded, straight, M12, 5-pin, socket	630280	-	630281
Shielded, angled, M12, 4-pin, socket	-	630282	-
2 connections: shielded, angled, M12, 4-pin, socket	630295	-	-



▶ Selection guide – Cable accessories for sens

Sensor technology PSEN – Accessory selection for self-assembly plugs and sockets



*PSEN/PDP67 M12-8sf
screw terminals*



*PSEN/PDP67 M12-8sm
screw terminals*

Type	Description	Features
		Connection 1
PSS67 M12 connector M12-5sf	Connecting socket	Straight, M12, socket
PSS67 M12 connector M12-5sm	Connecting plug	Straight, M12, plug
PSS67 M12 connector M12-5af	Connecting socket	Angled, M12, socket
PSS67 M12 connector M12-5am	Connecting plug	Angled, M12, plug
PSEN/PDP67 M12-8sf screw terminals	Connecting socket	Straight, M12, socket
PSEN/PDP67 M12-8sm screw terminals	Connecting plug	Straight, M12, plug

or technology PSEN®

Connection 2	Order number
Screw terminal suitable for 5-core cable, max. 0.75 mm ²	380309
	380308
	380311
	380310
Screw terminal suitable for 8-core cable, max. 0.5 mm ²	540332
	540334

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