

Sensor technology PSEN® cable accessories

pilz

Cable for your safe solution.

the spirit of safety



# ► Sensor technology PSEN<sup>®</sup> cable accessories

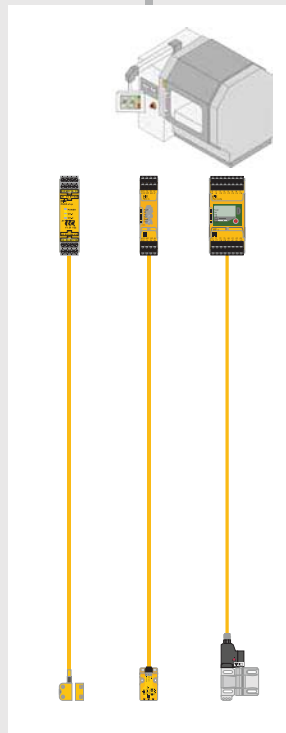
## Safe, complete solutions

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.

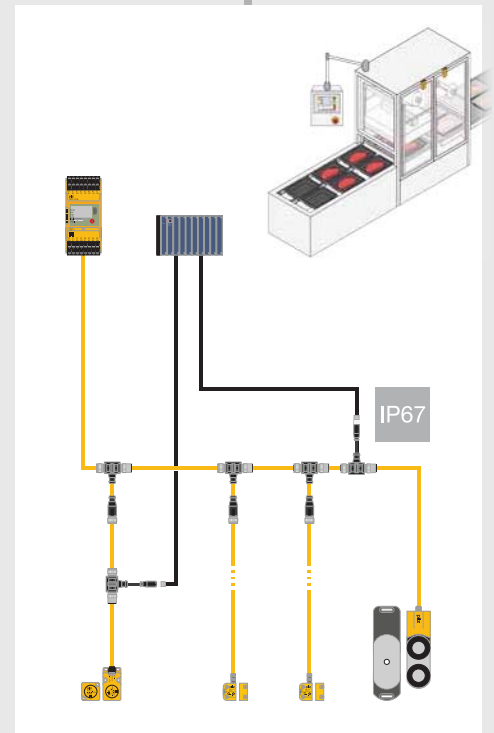
Pilz products can be interconnected in series and are compatible with products and interfaces from other manufacturers. They fit perfectly into your plant environment and also enable Pilz components to be retrofitted to your plant.

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**



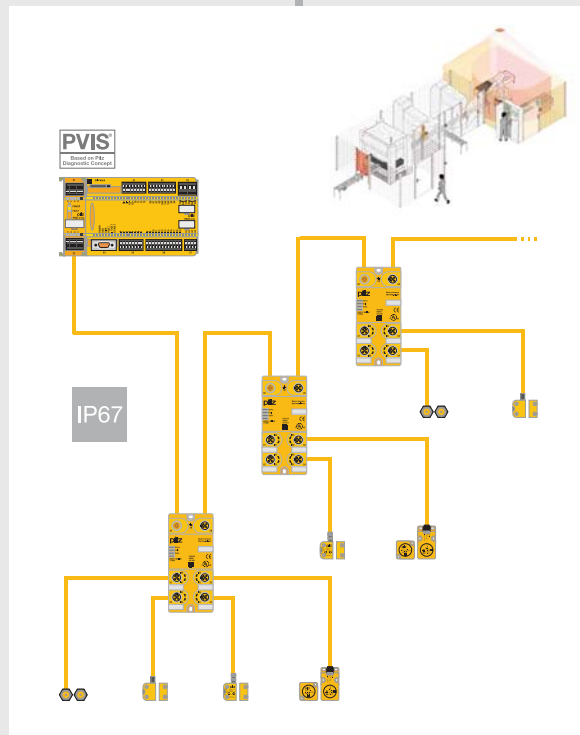
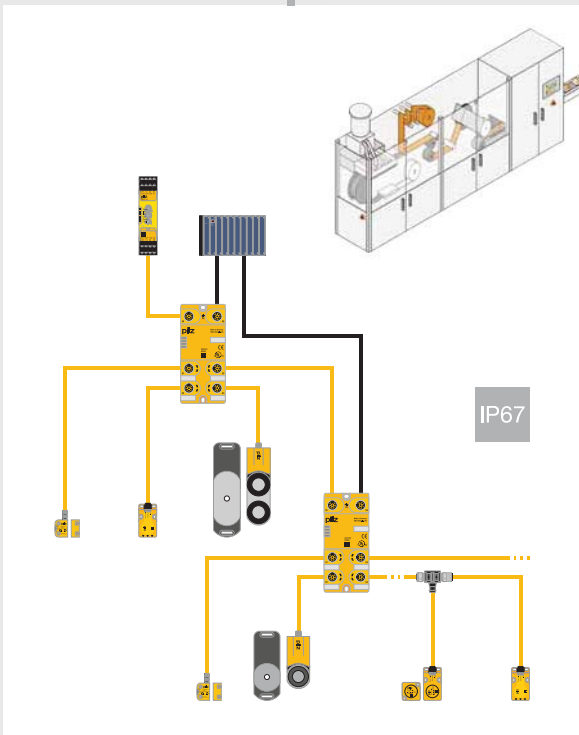
**PSENlock**

## 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

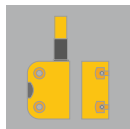
Sensor technology PSEN with 5-pin connection for PDP67 F 8DI ION and PNOZmulti



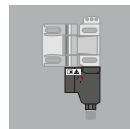
**PSENmech**  
All from page 6.



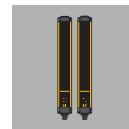
**PSENrope**



**PSENmag**  
From page 8



**PSENhinge**  
From page 10



**PSENopt**  
From page 12





# Selection guide – Cable for PSENIini, PSENCco

## PSENIini, PSENCcode and PSENSlock – Cable selection for connection to any evaluation device



*PSEN cable M8-8sf*

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

## PSENIini, PSENCcode and PSENSlock – Cable selection for series connection



*PSEN Y junction M12-M12/M12*



*PSEN cable M8-8sf M8-8sm*

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

## PSENIini, PSENCcode and PSENSlock – Cable selection for connection to PDP67 F 4 code



*PSEN cable M12-8sf*



*PDP67 F 4 code*

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

Type	Description
<b>PDP67 F 4 code</b>	Passive junction for PSENCcode

# 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"> <li>▶ PSENiNi, PSENcode, PSENslock: Signal output</li> <li>▶ PSENslock: Lock signal</li> </ul>	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"> <li>▶ Multiple interface PDP67, protection type IP67</li> <li>▶ 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</li> </ul>	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
		<b>Connection 1</b>
<b>PSS67/PDP67 cable M12-5sf</b>	Cable for connection to PDP67 F 8DI ION/ PSS67	Straight, M12, 5-pin, socket
<b>PSS67/PDP67 cable M12-5af</b>		Angled, M12, 5-pin, socket

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

Type	Description
<b>PDP67 F 8DI ION</b>	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
		<b>Connection 1</b>
<b>PSEN cable M8-4sf</b>	Cable for connection to any evaluation device	Straight, M8, 4-pin, socket
<b>PSEN cable M8-4af</b>		Angled, M8, 4-pin, socket
<b>PSEN cable M8-8sf</b>		Straight, M8, 8-pin, socket
<b>PSEN cable M12-8sf</b>		Straight, M12, 8-pin, socket
<b>PSEN cable M12-8af</b>		Angled, M12, 8-pin, socket
<b>PSEN cable M12-5sf</b>		Straight, M12, 5-pin, socket

### PSENmag – Accessory selection for series connection

Type	Description
<b>PSEN ix1</b>	Multiple interface (PSEN 1 series), IP20 protection type
<b>PSEN i1</b>	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
		<b>Connection 1</b>
<b>PSS67/PDP67 cable M12-5sf</b>	Cable for connection to PDP67 F 8DI ION/ PSS67	Straight, M12, 5-pin, socket
<b>PSS67/PDP67 cable M12-5af</b>		Angled, M12, 5-pin, socket
<b>PSS67/PDP67 cable M8-4sf <sup>1)</sup></b>		Straight, M8, 4-pin, socket
<b>PSS67/PDP67 cable M8-4af <sup>1)</sup></b>		Angled, M8, 4-pin, socket



*PDP67 F 8DI ION*

Type	Description
<b>PDP67 F 8DI ION</b>	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"> <li>▶ 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</li> <li>▶ Can be used for connection to: PNOZsigma, PNOZpower, PNOZ X, PNOZmulti, PSS</li> </ul>	535 120
<ul style="list-style-type: none"> <li>▶ 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</li> <li>▶ Can be used for connection to: PNOZelog, PNOZmulti, PSS</li> </ul>	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

<sup>1)</sup> 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
<b>PSEN cable M12-4sf</b>	Cable for connection to any evaluation device	<b>Connection 1</b> Straight, M12, 4-pin, socket
<b>PSEN cable M12-5sf</b>		Straight, M12, 5-pin, socket
<b>PSEN cable M12-5af</b>		Angled, M12, 5-pin, socket

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



*PSS67/PDP67 cable M12-5sf*

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



*PDP67 F 8DI ION*

Type	Description
<b>PDP67 F 8DI ION</b>	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



<sup>1)</sup> 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>	<b>PSEN op cable M12-4sf</b>	Cable for connection to any evaluation device	Unshielded, straight, M12, 4-pin, socket
	<b>PSEN op cable M12-4af</b>		Unshielded, angled, M12, 4-pin, socket
 <i>PSEN op cable M12-5sf</i>	<b>PSEN op cable M12-5sf</b>		Unshielded, straight, M12, 5-pin, socket
	<b>PSEN op cable M12-5af</b>		Unshielded, angled, M12, 5-pin, socket
<b>PSEN op cable M12-4sf shielded</b>	Shielded, straight, M12, 4-pin, socket		
<b>PSEN op cable M12-4af shielded</b>	Shielded, angled, M12, 4-pin, socket		
<b>PSEN op cable M12-8sf shielded</b>	Shielded, straight, M12, 8-pin, socket		
<b>PSEN op cable M12-8af shielded</b>	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>	<b>PSEN op connector M12-5f</b>	M12 coupling sockets, for cascade master in standalone mode	M12, 5-pin, socket
 <i>PSEN op cable M12-4sf</i>	<b>PSEN op cable axial M12-5sf shielded</b>	Cable for cascading	Shielded, straight, M12, 5-pin, socket
	<b>PSEN op cable M12-4sf shielded</b>	Cable for L-Muting	Shielded, straight, M12, 4-pin, socket
	<b>PSEN op cableset M12-4sf shielded</b>	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
		<b>Connection 1</b>
<b>PSS67 M12 connector M12-5sf</b>	Connecting socket	Straight, M12, socket
<b>PSS67 M12 connector M12-5sm</b>	Connecting plug	Straight, M12, plug
<b>PSS67 M12 connector M12-5af</b>	Connecting socket	Angled, M12, socket
<b>PSS67 M12 connector M12-5am</b>	Connecting plug	Angled, M12, plug
<b>PSEN/PDP67 M12-8sf screw terminals</b>	Connecting socket	Straight, M12, socket
<b>PSEN/PDP67 M12-8sm screw terminals</b>	Connecting plug	Straight, M12, plug

# or technology PSEN®

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

▶ **AT**  
Pilz Ges.m.b.H.  
Sichere Automation  
Modecenterstraße 14  
1030 Wien  
Austria  
Telephone: +43 1 7986263-0  
Telefax: +43 1 7986264  
E-Mail: pilz@pilz.at  
Internet: www.pilz.at

▶ **AU**  
Pilz Australia  
Safe Automation  
Unit D7, Hallmarc Business park Clayton  
Corner of Westall and Centre roads  
Clayton, Melbourne, Victoria 3168  
Australia  
Telephone: +61 3 95446300  
Telefax: +61 3 95446311  
E-Mail: safety@pilz.com.au  
Internet: www.pilz.com.au

▶ **BE** ▶ **LU**  
Pilz Belgium  
Safe Automation  
Bijenstraat 4  
9051 Gent (Sint-Denijs-Westrem)  
Belgium  
Telephone: +32 9 3217570  
Telefax: +32 9 3217571  
E-Mail: info@pilz.be  
Internet: www.pilz.be

▶ **BR**  
Pilz do Brasil  
Automação Segura  
Rua Ártico, 123 - Jd. do Mar  
09726-300  
São Bernardo do Campo - SP  
Brazil  
Telephone: +55 11 4126-7290  
Telefax: +55 11 4126-7291  
E-Mail: pilz@pilz.com.br  
Internet: www.pilz.com.br

▶ **CH**  
Pilz Industrieelektronik GmbH  
Gewerbepark Hintermättli  
Postfach 6  
5506 Mägenwil  
Switzerland  
Telephone: +41 62 88979-30  
Telefax: +41 62 88979-40  
E-Mail: pilz@pilz.ch  
Internet: www.pilz.ch

▶ **CN**  
Pilz Industrial Automation  
Trading (Shanghai) Co., Ltd.  
Rm. 1702-1704  
Yongda International Tower  
No. 2277 Long Yang Road  
Shanghai 201204  
China  
Telephone: +86 21 60880878  
Telefax: +86 21 60880870  
E-Mail: sales@pilz.com.cn  
Internet: www.pilz.com.cn

▶ **DE**  
Pilz GmbH & Co. KG  
Felix-Wankel-Straße 2  
73760 Ostfildern  
Germany  
Telephone: +49 711 3409-0  
Telefax: +49 711 3409-133  
E-Mail: pilz.gmbh@pilz.de  
Internet: www.pilz.de

▶ **DK**  
Pilz Skandinavien K/S  
Safe Automation  
Ellegaardvej 25 L  
6400 Sønderborg  
Denmark  
Telephone: +45 74436332  
Telefax: +45 74436342  
E-Mail: pilz@pilz.dk  
Internet: www.pilz.dk

▶ **ES**  
Pilz Industrieelektronik S.L.  
Safe Automation  
Camí Ral, 130  
Polígono Industrial Palou Nord  
08401 Granollers  
Spain  
Telephone: +34 938497433  
Telefax: +34 938497544  
E-Mail: pilz@pilz.es  
Internet: www.pilz.es

▶ **FI**  
Pilz Skandinavien K/S  
Safe Automation  
Nuijamiestentie 7  
00400 Helsinki  
Finland  
Telephone: +358 10 3224030  
Telefax: +358 9 27093709  
E-Mail: pilz.fi@pilz.dk  
Internet: www.pilz.fi

▶ **FR**  
Pilz France Electronic  
1, rue Jacob Mayer  
BP 12  
67037 Strasbourg Cedex 2  
France  
Telephone: +33 3 88104000  
Telefax: +33 3 88108000  
E-Mail: siege@pilz-france.fr  
Internet: www.pilz.fr

▶ **GB**  
Pilz Automation Technology  
Safe Automation  
Willow House, Medlicott Close  
Oakley Hay Business Park  
Corby  
Northants NN18 9NF  
United Kingdom  
Telephone: +44 1536 460766  
Telefax: +44 1536 460866  
E-Mail: sales@pilz.co.uk  
Internet: www.pilz.co.uk

▶ **IE**  
Pilz Ireland Industrial Automation  
Cork Business and Technology Park  
Model Farm Road  
Cork  
Ireland  
Telephone: +353 21 4346535  
Telefax: +353 21 4804994  
E-Mail: sales@pilz.ie  
Internet: www.pilz.ie

▶ **IN**  
Pilz India Pvt Ltd  
Office No 202, Delite Square  
Near Aranyeshwar Temple  
Sahakar Nagar No 1  
Pune 411009  
India  
Telephone: +91 20 6529 0567  
E-Mail: info@pilz.in  
Internet: www.pilz.in

▶ **IT**  
Pilz Italia Srl  
Automazione sicura  
Via Meda 2/A  
22060 Novedrate (CO)  
Italy  
Telephone: +39 031 789511  
Telefax: +39 031 789555  
E-Mail: info@pilz.it  
Internet: www.pilz.it

▶ **JP**  
Pilz Japan Co., Ltd.  
Safe Automation  
Shin-Yokohama Fujika Building 5F  
2-5-9 Shin-Yokohama  
Kohoku-ku  
Yokohama 222-0033  
Japan  
Telephone: +81 45 471-2281  
Telefax: +81 45 471-2283  
E-Mail: pilz@pilz.co.jp  
Internet: www.pilz.jp

▶ **KR**  
Pilz Korea Ltd.  
Safe Automation  
9F Jo-Yang Bld. 50-10  
Chungmuro2-Ga Jung-Gu  
100-861 Seoul  
Republic of Korea  
Telephone: +82 2 2263 9541  
Telefax: +82 2 2263 9542  
E-Mail: info@pilzkorea.co.kr  
Internet: www.pilzkorea.co.kr

▶ **MX**  
Pilz de México, S. de R.L. de C.V.  
Automatización Segura  
Circuito Pintores 170  
Cd. Satélite  
Naucalpan, Méx. 53100  
Mexico  
Telephone: +52 55 5572 1300  
Telefax: +52 55 5572 1300  
E-Mail: info@pilz.com.mx  
Internet: www.pilz.com.mx

▶ **NL**  
Pilz Nederland  
Veilige automatisering  
Postbus 186  
4130 ED Vianen  
Netherlands  
Telephone: +31 347 320477  
Telefax: +31 347 320485  
E-Mail: info@pilz.nl  
Internet: www.pilz.nl

▶ **NZ**  
Pilz New Zealand  
Safe Automation  
Unit C, 101 Apollo Drive  
Mairangi Bay  
Auckland 0632  
New Zealand  
Telephone: +64 9 6345350  
Telefax: +64 9 6345352  
E-Mail: office@pilz.co.nz  
Internet: www.pilz.co.nz

▶ ...  
In many countries we are represented by sales partners.

Please refer to our homepage for further details or contact our headquarters.

▶ **PL**  
Pilz Polska Sp. z o.o.  
Safe Automation  
ul. Marywilska 34H  
03-231 Warszawa  
Poland  
Telephone: +48 22 8847100  
Telefax: +48 22 8847109  
E-Mail: info@pilz.pl  
Internet: www.pilz.pl

▶ **PT**  
Pilz Industrieelektronik S.L.  
R. Eng Duarte Pacheco, 120  
4 Andar Sala 21  
4470-174 Maia  
Portugal  
Telephone: +351 229407594  
Telefax: +351 229407595  
E-Mail: pilz@pilz.pt  
Internet: www.pilz.pt

▶ **RU**  
Pilz RUS OOO  
Ugreshskaya street, 2,  
bldg. 11, office 16 (1st floor)  
115088 Moscow  
Russian Federation  
Telephone: +7 495 665 4993  
E-Mail: pilz@pilzrussia.ru  
Internet: www.pilzrussia.ru

▶ **SE**  
Pilz Skandinavien K/S  
Safe Automation  
Energigatan 10 B  
43437 Kungsbacka  
Sweden  
Telephone: +46 300 13990  
Telefax: +46 300 30740  
E-Mail: pilz.se@pilz.dk  
Internet: www.pilz.se

▶ **TR**  
Pilz Emniyet Otomasyon  
Ürünleri ve Hizmetleri Tic. Ltd. Şti.  
Kayışdağı Cd. Beykonağı Plaza  
No:130 K:2 D:2  
Ataşehir/Istanbul  
Turkey  
Telephone: +90 216 5775550  
Telefax: +90 216 5775549  
E-Mail: info@pilz.com.tr  
Internet: www.pilz.com.tr

▶ **US** ▶ **CA**  
Pilz Automation Safety L.P.  
7150 Commerce Boulevard  
Canton  
Michigan 48187  
USA  
Telephone: +1 734 354 0272  
Telefax: +1 734 354 3355  
E-Mail: info@pilzusa.com  
Internet: www.pilz.us

▶ **Technical support**  
+49 711 3409-444  
support@pilz.com



Pilz GmbH & Co. KG  
Felix-Wankel-Straße 2  
73760 Ostfildern, Germany  
Telephone: +49 711 3409-0  
Telefax: +49 711 3409-133  
E-Mail: pilz.gmbh@pilz.de  
Internet: www.pilz.com

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