PLUSCON cabinet
CES cable entry system

Efficient cable entry with system

Cable entry systems are in increasing demand as an efficient alternative to heavy-duty plug-in connectors and cable glands. They can be used to route assembled cables directly into the control cabinet, to devices, and onto DIN rails without an additional plug-in connection.

For the first time ever, using the unique sealing frame with locking latch you can replace and seal cables without the need for tools.
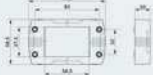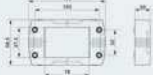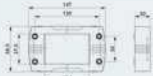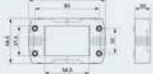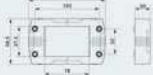
Phoenix Contact offers a well-designed system solution: from system and field cabling to the DIN rail.

The new CES cable entry system from Phoenix Contact offers:

- Space savings over conventional plug-in connections and cable glands
- Tool-free mounting using unique sealing frames
- Reliable locking, strain relief, and seal with IP54 protection
- Simplified installation and reliable seal up to IP65 using coned sleeves
- Direct and easy mounting on standard panel cutouts
- A wide product range for various different requirements

Sealing frames

With locking latch

	Design	Description		Order No.
Material: polyamide, halogen-free, silicone-free Color: black Temperature range: -40 … +80°C Degree of protection: IP54 Inflammability according to UL94: V0	B10	For accommodating up to 6 cable sleeves		0801663
	B16	For accommodating up to 8 cable sleeves		0801662
	B24	For accommodating up to 10 cable sleeves		0801661

With screw locking

	Design	Description		Order No.
Material: polyamide, halogen-free, silicone-free Color: black Temperature range: -40 … +80°C Degree of protection: IP54 Inflammability according to UL94: V0	B10	For accommodating up to 6 cable sleeves		0801660
	B16	For accommodating up to 8 cable sleeves		0801659
	B24	For accommodating up to 10 cable sleeves		0801658

Snap-on frames

	Design	Description	Order No.
Material: polyamide, halogen-free, silicone-free Color: black Temperature range: -20 … +80°C Degree of protection: IP54 Inflammability according to UL94: V0	B10	For accommodating B10 CES sealing frames, with integrated seal	0801655
	B16	For accommodating B16 CES sealing frames, with integrated seal	0801651
	B24	For accommodating B24 CES sealing frames, with integrated seal	0801647

Accessories for sealing frames

Locking plates

	Design	Description	Order No.
	B10		0801645
	B16		0801642
	B24		0801641

Flat gasket

	Design	Description	Order No.
	B10	Cutout: 35 mm x 65 mm	0801725
	B16	Cutout: 35 mm x 86 mm	0801726
	B24	Cutout: 35 mm x 113 mm	0801727

Replacement screw

	Design	Description	Order No.
		M4, 4 mm Allen screw, for sealing frames with screw locking	0801728

EMC cable catch rails

	Design	Description	Order No.
	B16	For mounting on the long side of the sealing frame	3063507
	B24	For mounting on the long side of the sealing frame	3063510
	B10/B16/B24	For mounting on the short side of the sealing frame	3063523

Accessories for cable sleeves

Filler plugs

Material: polyamide, halogen-free, silicone-free

Temperature range: -20 … +80°C

Degree of protection: IP54

Inflammability according to UL94: V0

Design	Order No.	Design	Order No.
3 mm	3063921	11 mm	3064001
4 mm	3063934	12 mm	3062016
5 mm	3063947	13 mm	3062029
6 mm	3063950	14 mm	3062032
7 mm	3063963	15 mm	3062045
8 mm	3063976	16 mm	3062058
9 mm	3063989	17 mm	3062061
10 mm	3063992		
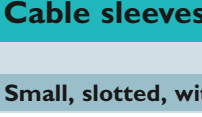
Cable sleeves, rubber

Coned sleeves, IP65

Material: NBR
Color: black
Temperature range: -40 … +80°C

Design	Order No.	Design	Order No.
Small, 2 - 15 mm	0801718	Large, 15 - 34 mm	0801719

Without bore hole, IP65

Material: NBR
Color: black
Temperature range: -40 … +80°C

Design	Order No.	Design	Order No.
Small	0801670	Large	0801671

Small, slotted, IP54

Material: NBR
Color: black
Temperature range: -40 … +80°C

Design	Order No.	Design	Order No.
1 - 2 mm	0801635	8 - 9 mm	0801622
2 - 3 mm	0801633	9 - 10 mm	0801620
3 - 4 mm	0801632	10 - 11 mm	0801618
4 - 5 mm	0801630	11 - 12 mm	0801617
5 - 6 mm	0801628	12 - 13 mm	0801616
6 - 7 mm	0801627	13 - 14 mm	0801615
7 - 8 mm	0801625		

Large, slotted, IP54

Material: NBR
Color: black
Temperature range: -40 … +80°C

Design	Order No.	Design	Order No.
14 - 15 mm	0801619	24 - 25 mm	0801640
15 - 16 mm	0801621	25 - 26 mm	0801643
16 - 17 mm	0801624	26 - 27 mm	0801644
17 - 18 mm	0801626	27 - 28 mm	0801646
18 - 19 mm	0801629	28 - 29 mm	0801648
19 - 20 mm	0801631	29 - 30 mm	0801650
20 - 21 mm	0801634	30 - 31 mm	0801653
21 - 22 mm	0801637	31 - 32 mm	0801654
22 - 23 mm	0801638	32 - 33 mm	0801656
23 - 24 mm	0801639		

Cable sleeves, rubber, special formats, IP54

Small, slotted, with 2 or 4 bore holes

Material: NBR
Color: black
Temperature range: -40 … +80°C

Design	Description	Order No.
2 x 5 mm	With 2 bore holes	0801675
2 x 6 mm	With 2 bore holes	0801654
4 x 3 mm	With 4 bore holes	0801665
4 x 4 mm	With 4 bore holes	0801666

Small, slotted, for AS-Interface cables

Material: NBR
Color: black
Temperature range: -40 … +80°C

Design	Description	Order No.
	For one AS-Interface cable	0801667
	For two AS-Interface cables, arrangement: LL	0801669
	For two AS-Interface cables, arrangement: LR	0801668

Cable sleeves, thermoplastics

Without bore hole, IP65		Design	Order No.	Design	Order No.
	Material: SEBS Color: gray Temperature range: -40 … +80°C Inflammability according to UL94: V0	Small	0801715	Large	0801716

Small, slotted, IP54		Design	Order No.	Design	Order No.
	Material: SEBS Color: gray Temperature range: -40 … +80°C Inflammability according to UL94: V0	1 - 2 mm	0801672	8 - 9 mm	0801680
		2 - 3 mm	0801673	9 - 10 mm	0801682
		3 - 4 mm	0801674	10 - 11 mm	0801683
		4 - 5 mm	0801675	11 - 12 mm	0801684
		5 - 6 mm	0801676	12 - 13 mm	0801685
		6 - 7 mm	0801677	13 - 14 mm	0801686
		7 - 8 mm	0801679		

Large, slotted, IP54					
	Material: SEBS Color: gray Temperature range: -40 … +80°C Inflammability according to UL94: V0	14 - 15 mm	0801687	24 - 25 mm	0801698
		15 - 16 mm	0801688	25 - 26 mm	0801699
		16 - 17 mm	0801689	26 - 27 mm	0801700
		17 - 18 mm	0801690	27 - 28 mm	0801701
		18 - 19 mm	0801691	28 - 29 mm	0801702
		19 - 20 mm	0801692	29 - 30 mm	0801703
		20 - 21 mm	0801693	30 - 31 mm	0801705
		21 - 22 mm	0801695	31 - 32 mm	0801706
		22 - 23 mm	0801696	32 - 33 mm	0801707
		23 - 24 mm	0801697		

Cable sleeves, thermoplastics, special formats, IP54

Small, slotted, with 2 or 4 bore holes		Design	Description	Order No.
	Material: SEBS Color: gray Temperature range: -40 … +80°C Inflammability according to UL94: V0	2 x 5 mm	With 2 bore holes	0801708
		2 x 6 mm	With 2 bore holes	0801709
		4 x 3 mm	With 4 bore holes	0801710
		4 x 4 mm	With 4 bore holes	0801711

Small, slotted, for AS-Interface cables		Design	Description	Order No.
	Material: SEBS Color: gray Temperature range: -40 … +80°C Inflammability according to UL94: V0		For one AS-Interface cable	0801712
			For two AS-Interface cables, arrangement: LL	0801714
			For two AS-Interface cables, arrangement: LR	0801713

Saves space and costs

The CES cable entry system allows water and dust-proof insertion of a variety of cables into areas with limited space in control cabinets, distributor boxes or devices.

Split sealing frames with metal reinforcement
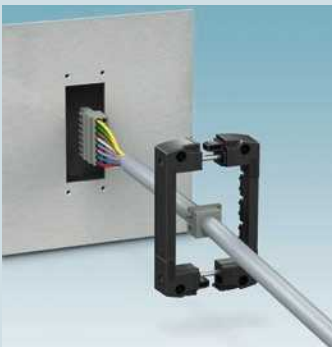
The sealing frames, which can be split, provide a reliable seal and strain relief for pre-assembled cables according to DIN EN 50262. The plug-in connectors are simply led through the panel cutouts. Thanks to the integrated metal reinforcement of the plastic frames, only two locking elements (screws or latches) are required on the front.

Variable mounting options

The CES sealing frames can be mounted directly on standard panel cutouts (e.g., Rittal) for industrial plug-in connectors. Snap-on frames are available to simplify on-site installation.

Sleeve assembly

1. Select and arrange sleeves

2. Snap sleeves into sealing frame and position sealing frame

3. Push sealing frame together and lock

Optional locking

Sealing frames with screw locking and locking latches are available. The locking latch does not require any tools, which makes it really quick and easy to use, even in places that are difficult to access.

Ideal for industrial plug-in connectors

By widening the standard Rittal cutouts from 35 mm to 51 mm, even wide rectangular HEAVYCON industrial plug-in connectors can be swiveled through mounting panels and sealed and provided with strain relief using the CES cable entry system.

Cable sleeves for every application

The gray thermoplastic sleeves exhibit a low level of flammability according to UL 94 V0 and are resistant to acids and lyes. The black rubber sleeves (NBR) perform significantly better in the long term, particularly in the event of temperature fluctuations. The material used is halogen-free and resistant to oils, fuels, and grease.

Fast installation and a reliable seal

It only takes two coned sleeves to seal any cable diameter ranging from 2 to 24 mm. The coned sleeves are cut to the relevant length and pushed onto the cables before the plug-in connectors are assembled. There is no longer any need to select corresponding slotted rubber seals on site, which can be a time-consuming process, and the reliability of the seal has been significantly improved for ratings up to IP65. Cable binders can be used to further enhance the long-term strain relief and tightness of the coned sleeves.

Further information on the products presented here and on the world of solutions from Phoenix Contact can be found at

www.phoenixcontact.net/catalog

Or contact us directly.

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