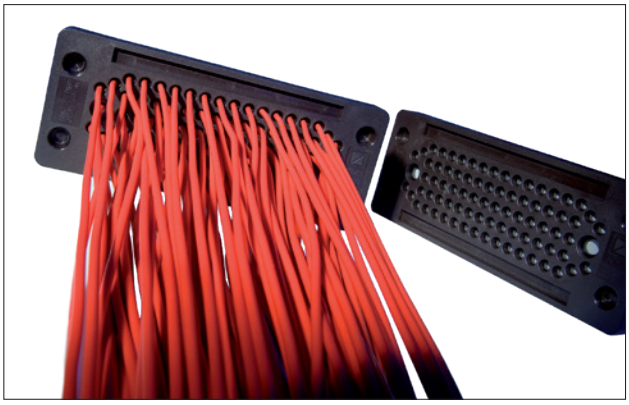
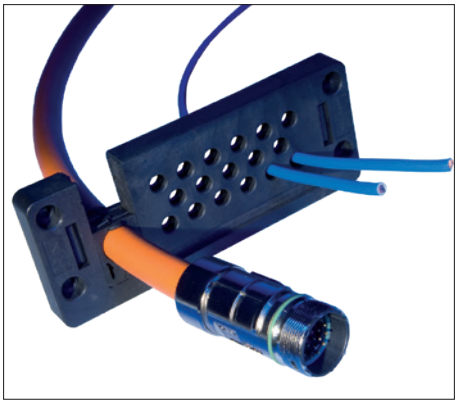
Preconfigured cable entry systems





Use

The preconfigured cable entry systems allow quicker mounting of cables, electric conduits and pneumatic hoses. They can be installed also without screws using the special catch hooks and they allow to save a lot of space. Some of the models take up to four preassembled cable in two grommets. They are a real alternative to standard cable fittings.

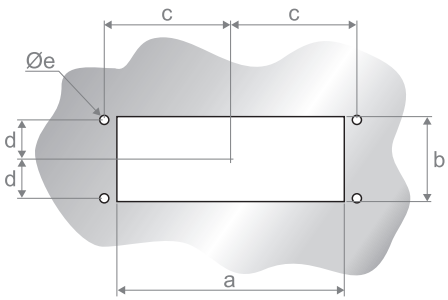
Preconfigured cable entry systems are 10 times faster and with a space saving of up to 50% compared with conventional cable glands. The preconfigured cable entry systems are simply clicked into the cut-outs and the cables are then pushed through. The preconfigured cable entry systems allow:

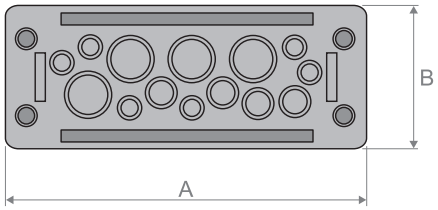
- enormous time savings during assembly,
- extremely low space requirement,
- high packing density,
- assembly without tools,
- high protection class,
- no kinks in cables and tubes.

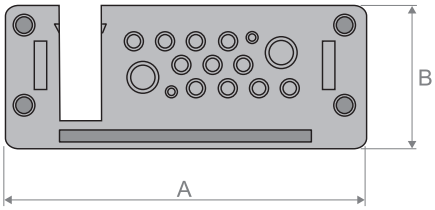
Technical data

Characteristics	Value/property	Remarks
Material	Polyammide 6.6	-
Seal material	TPU/NBR/EPDM	-
Temperature range	-30°C, +70°C	-
Flammability rating	V0	UL 94
Protection class	IP65 (codes RPPLTA...) IP54 (codes RPPLTB...)	-
Color	Black	-

Coding and dimensions







RPPLTA24.11

RPPLTA24.12

RPPLTA24.13

RPPLTA24.14

RPPLTA24.17

RPPLTA24.17-1

RPPLTA24.22

RPPLTA24.23

RPPLTA24.29

RPPLTA24.80

RPPLTB24.10.02

RPPLTB24.14.02

RPPLTB24.15.02

RPPLTB24.17.02

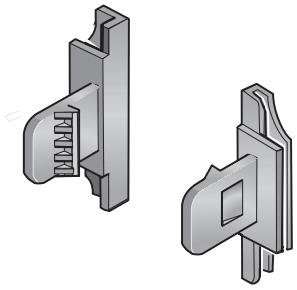
RPPLTB24.20.02

RPPLTB24.21.02

Code	No. of grommets [1]	No. openings x diameter [mm]	Thickness [mm]	Sizes [mm]							Packaging [pcs]
				A	B	a	b	c	d	e	
RPPLTA24.11	0	4 x (3÷6,5 mm) 4 x (5÷9,2 mm) 3 x (14÷20 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.12	0	12 x (8÷12 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.13	0	2 x (3÷5,5 mm) 6 x (4,1÷8,1 mm) 4 x (9÷14 mm) 1 x (14÷20 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.14	0	6 x (3÷6,5 mm) 4 x (5÷9,2 mm) 4 x (9,6÷15,9 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.17	0	17 x (5÷9,2 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.17-1	0	11 x (3÷6,5 mm) 1 x (4,1÷8,1 mm) 5 x (8÷12,5 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.22	0	16 x (3÷6,5 mm) 4 x (5÷9,2 mm) 2 x (8÷12,5 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.23	0	23 x (4,1÷8,1 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.29	0	29 x (3÷6,5 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTA24.80	0	78 x (1,5÷2,6 mm) 2 x (2,5÷5 mm)	15	147,0	59,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTB24.10.02	2 small	4 x (3÷6,5 mm) 2 x (4,5÷8,5 mm) 4 x (8÷12,5 mm)	15	146,0	58,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTB24.14.02	2 small	4 x (2,5÷5 mm) 2 x (3÷6,5 mm) 8 x (4,5÷8,5 mm)	15	146,0	58,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTB24.15.02	2 small	2 x (1,5÷3,5 mm) 11 x (3÷6,5 mm) 2 x (8,5÷12,5 mm)	15	146,0	58,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTB24.17.02	2 small	17 x (3÷6,5 mm)	15	146,0	58,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTB24.20.02	2 small	4 x (1,5÷3,5 mm) 6 x (3÷5 mm) 10 x (3÷6,5 mm)	15	146,0	58,0	112,0	36,0	65,0	16,0	5,5	1
RPPLTB24.21.02	2 small	21 x (2,5÷5 mm)	15	146,0	58,0	112,0	36,0	65,0	16,0	5,5	1

(1) The grommets and their codes can be selected hereinafter in the chapter “Grommets for cable entry systems”

Catch hooks

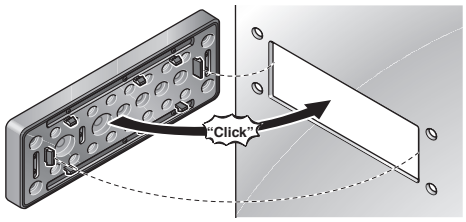


Code of the catch hooks	Plate thickness [mm]	Packaging [pcs]
RPHKS010	1,5÷2,0	10
RPHKS020	2,1÷2,7	10
RPHKS030	2,8÷3,4	10
RPHKS040	3,5÷4,1	10

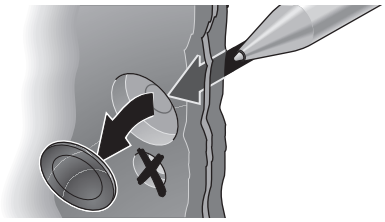
Mounting

Snap-on mounting (models without grommets)

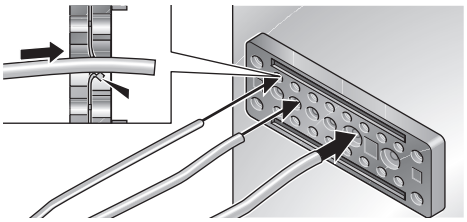
1. Create a cut-out as shown in the drawings (see “Codes and dimensions”). Insert the cable entry system and press on until it clicks into place.



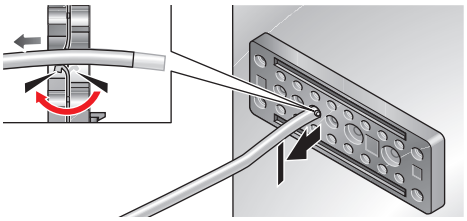
2. Where necessary, remove the black cover pressing from the rear until the cover falls out.



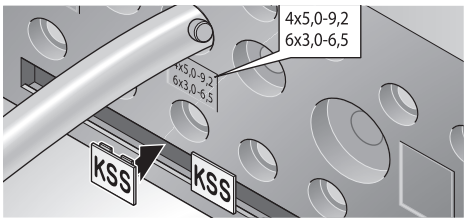
3. Select an opening appropriate for the cable diameter and push the cable through the opening from the front. Pull the cable through to desired length.



4. Retract cable approx. 10÷15 mm until the indicator on the rear is no longer visible. Depending on cable diameter and insertion size, the indicato may become visible on the front side.

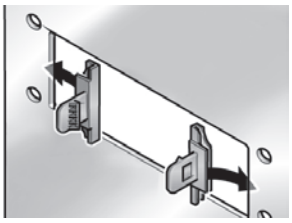


5. If required, position the optional lable plate and click in.

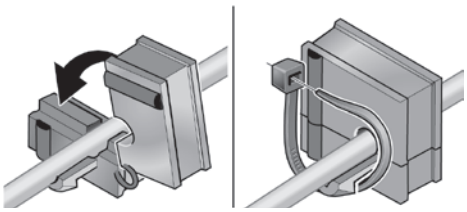


Snap-on mounting (models with grommets)

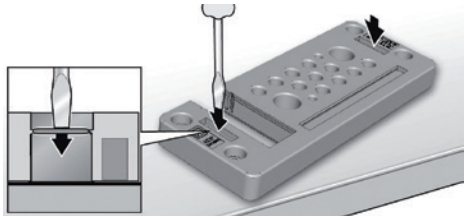
1. Create a cut-out as shown in the drawings (see “Codes and dimensions”). Set catch hooks into the sides of the cut-out.



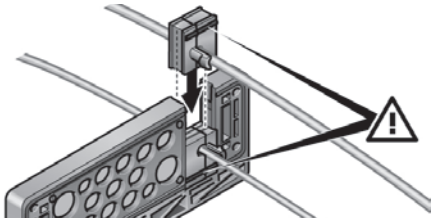
2. Lay the cable into the appropriate grommet.



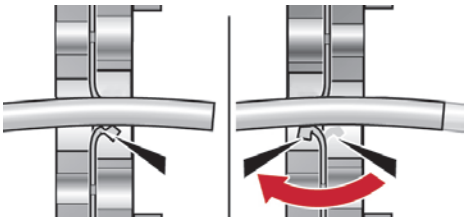
3. Punch through cover on cable entry system.



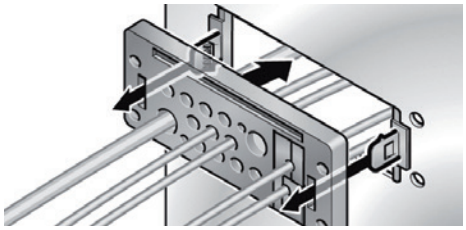
4. Install all grommets and make sure there is enough cable length.



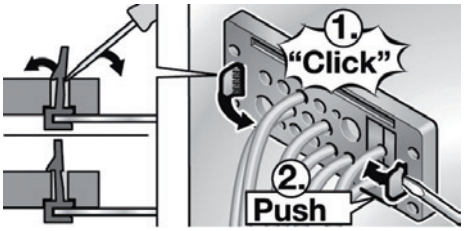
5. Select an opening appropriate for the cable diameter and push the cable through the opening from the front. Pull the cable through to desired length. Then retract cable approx. 10÷15 mm until the indicator on the rear is no longer visible. Depending on cable diameter and insertion size, the indicato may become visible on the front side.



6. Insert the cable entry system onto the catch hooks and press on.

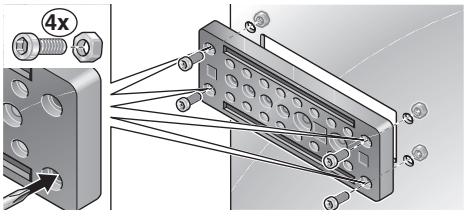


7. Lock the catch hooks and press down the cable entry system at the endges again.

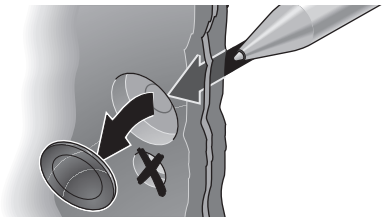


Screw-on mounting (models without grommets)

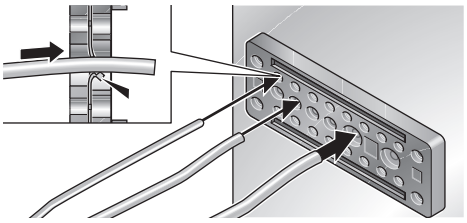
1. Create a cut-out as shown in the drawings (see “Codes and dimensions”). Press through the membrane on the mounting holes on the cable entry system, set it onto the cut-out and screw down.



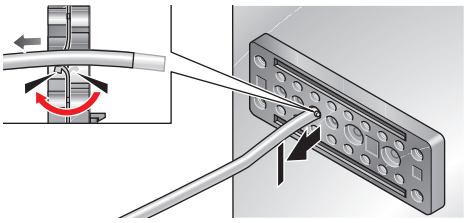
2. Where necessary, remove the black cover pressing from the rear until the cover falls out.



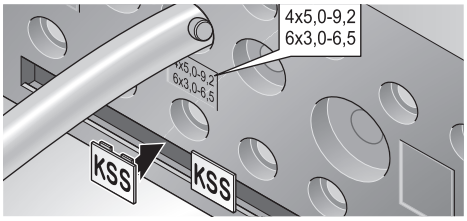
3. Select an opening appropriate for the cable diameter and push the cable through the opening from the front. Pull the cable through to desired length.



4. Retract cable approx. 10÷15 mm until the indicator on the rear is no longer visible. Depending on cable diameter and insertion size, the indicato may become visible on the front side.

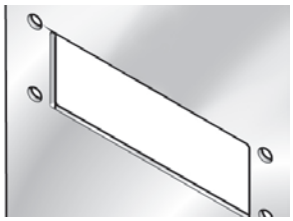


5. If required, position the optional lable plate and click in.

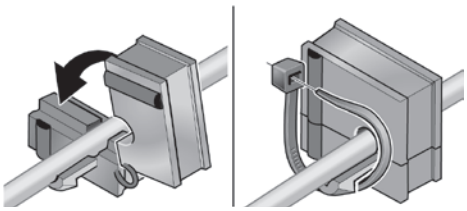


Screw-on mounting (models with grommets)

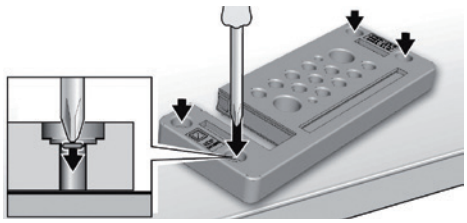
1. Create a cut-out as shown in the drawings (see “Codes and dimensions”).



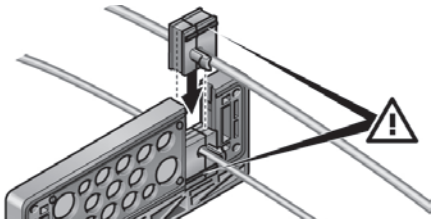
2. Lay the cable into the appropriate grommet.



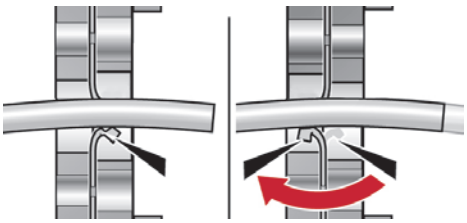
3. Punch through cover on cable entry system.



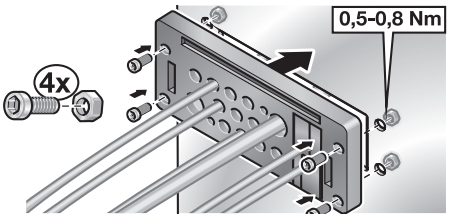
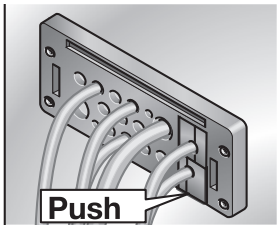
4. Install all grommets and make sure there is enough cable length.



5. Select an opening appropriate for the cable diameter and push the cable through the opening from the front. Pull the cable through to desired length. Then retract cable approx. 10÷15 mm until the indicator on the rear is no longer visible. Depending on cable diameter and insertion size, the indicato may become visible on the front side.



6. Position and affix the cable entry plate above the cut-out.



7. Press down the cable entry system at the edges again