



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS PY41

Robust. Reliable. Flexible.

Optional modules COS

Optional modules for feeding through different media such as electrical signals, pneumatics, fluids and vacuum.

Field of application

For fast media transfer with short change-over times between change master and change adapter in order to supply the end effector with the required media.

Advantages – Your benefits

Fits perfectly for easy combination with SCHUNK tool changers

Wide range of different variants for feeding through of various media

Module variety the appropriate module for the required media transfer for every size of SCHUNK tool changers

Connector variants with radial, axial, and side cable outlet for a low interfering contour in restricted spaces

Combination of several optional modules for maximum flexibility of the tool changer

Minimum wear for a high number of change cycles and a long service life

Customer-specific designs available on request the suitable solution for any application

Cable connector, cable extensions and protection covers available on request for a comprehensive complete solution from one source



Application example



① Automatic tool changers CPS

③ Modular storage rack CTS

⑤ 2-finger parallel gripper JGP-P

② Optional modules COS

④ Universal gripper EGU

SCHUNK offers more ...

The following components make the product even more productive – the suitable addition for the highest functionality, flexibility, reliability, and controlled production.



Tool changer



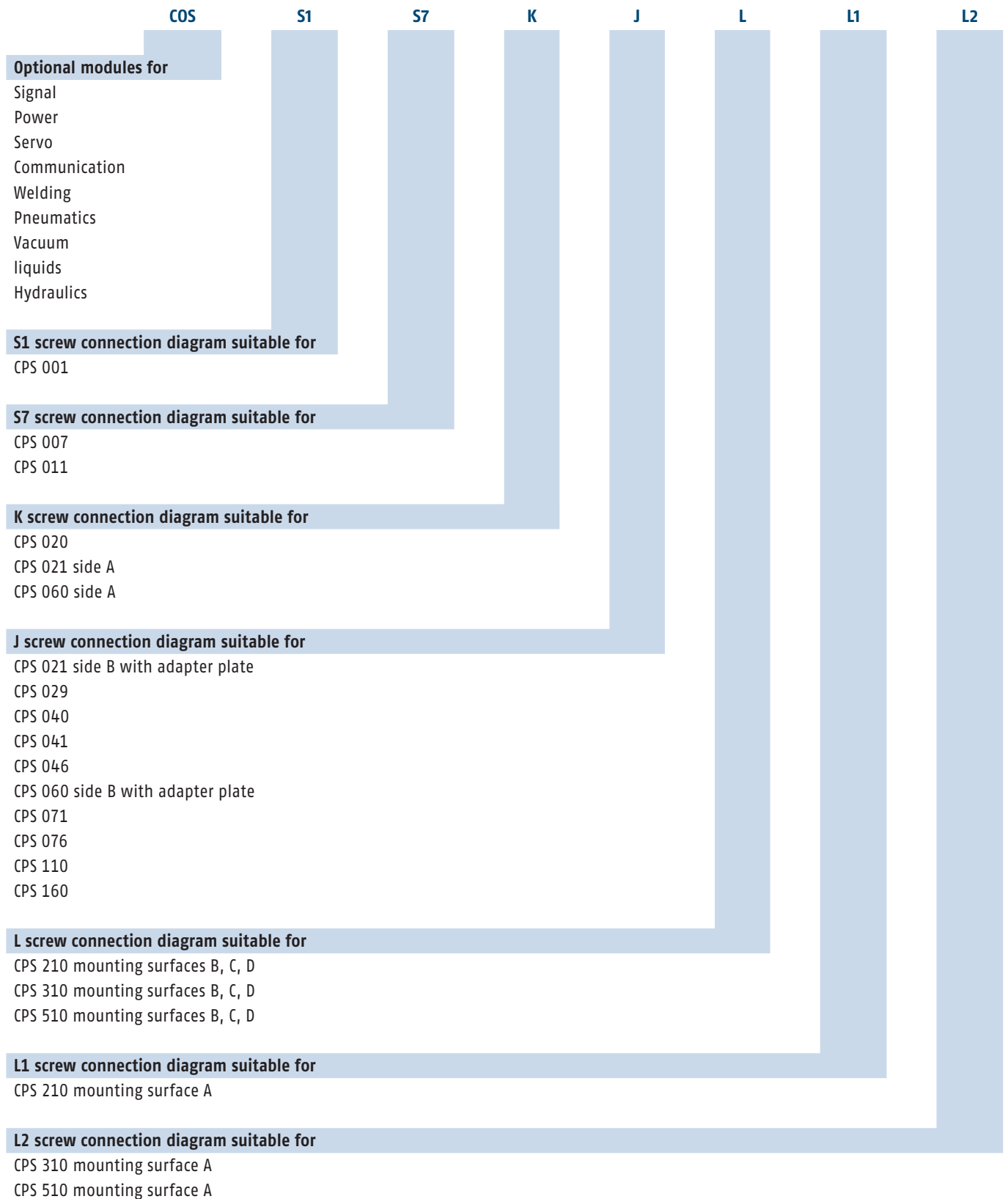
Manual change system



Pallet change system

① For more information on these products can be found on the following product pages or at [schunk.com](https://www.schunk.com).

Overview of optional modules and mounting pattern



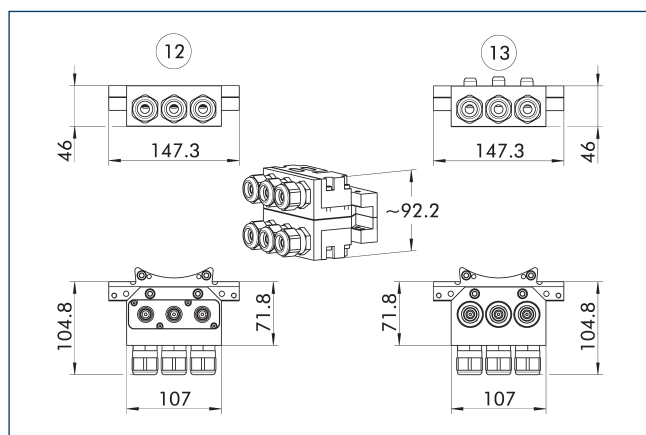
Special designs with modified seals or lubrication are available on request



Technical data

Description		COS PY41-K	COS PY41-A
ID		1586926	1586925
Suitable on		Change head	Tool
Screw connection diagram		L	L
Transmission type		Welding	Welding
Weight	[kg]	0.39	0.37
Min./max. ambient temperature	[°C]	5/60	5/60
Protection class IP		IP40 (only in coupled status)	IP40 (only in coupled status)
Nominal current	[A]	165	165
Alternating voltage	[V AC]	150	150
Direct voltage	[V DC]	210	210
Number of pin contacts		3	3
Electrical connection		M25 cable gland for Ø 10 – 18 mm	M25 cable gland for Ø 10 – 18 mm
Electrical connection outlet		radial	radial
Special properties		Ring cable lugs are used to secure the cables to the contact base. M6 recommended for ring cable lugs for 35 mm²/AWG 2 and 25 mm²/AWG 4.	Ring cable lugs are used to secure the cables to the contact base. M6 recommended for ring cable lugs for 35 mm²/AWG 2 and 25 mm²/AWG 4.

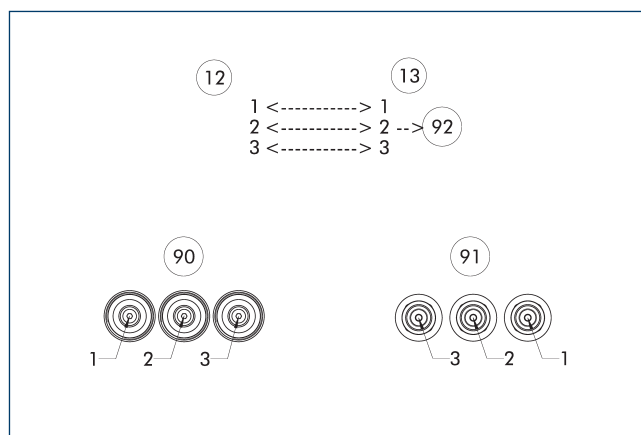
Combination COS PY41-K and COS PY41-A



⑫ Master side

⑬ Adapter side

Pin assignment for COS PY41-K with COS PY41-A



⑫ Master side

⑬ Adapter side

⑨⑩ M6 recommended for ring cable lugs for 35 mm²/AWG 2 and 25 mm²/AWG 4.

⑨① M6 recommended for ring cable lugs for 35 mm²/AWG 2 and 25 mm²/AWG 4.

⑨② leading pin



SCHUNK SE & Co. KG

Spanntechnik

Greiftechnik

Automatisierungstechnik

Bahnhofstr. 106 - 134

D-74348 Lauffen/Neckar

Tel. +49-7133-103-0

Fax +49-7133-103-2399

info@de.schunk.com

schunk.com

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