



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS JUx

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



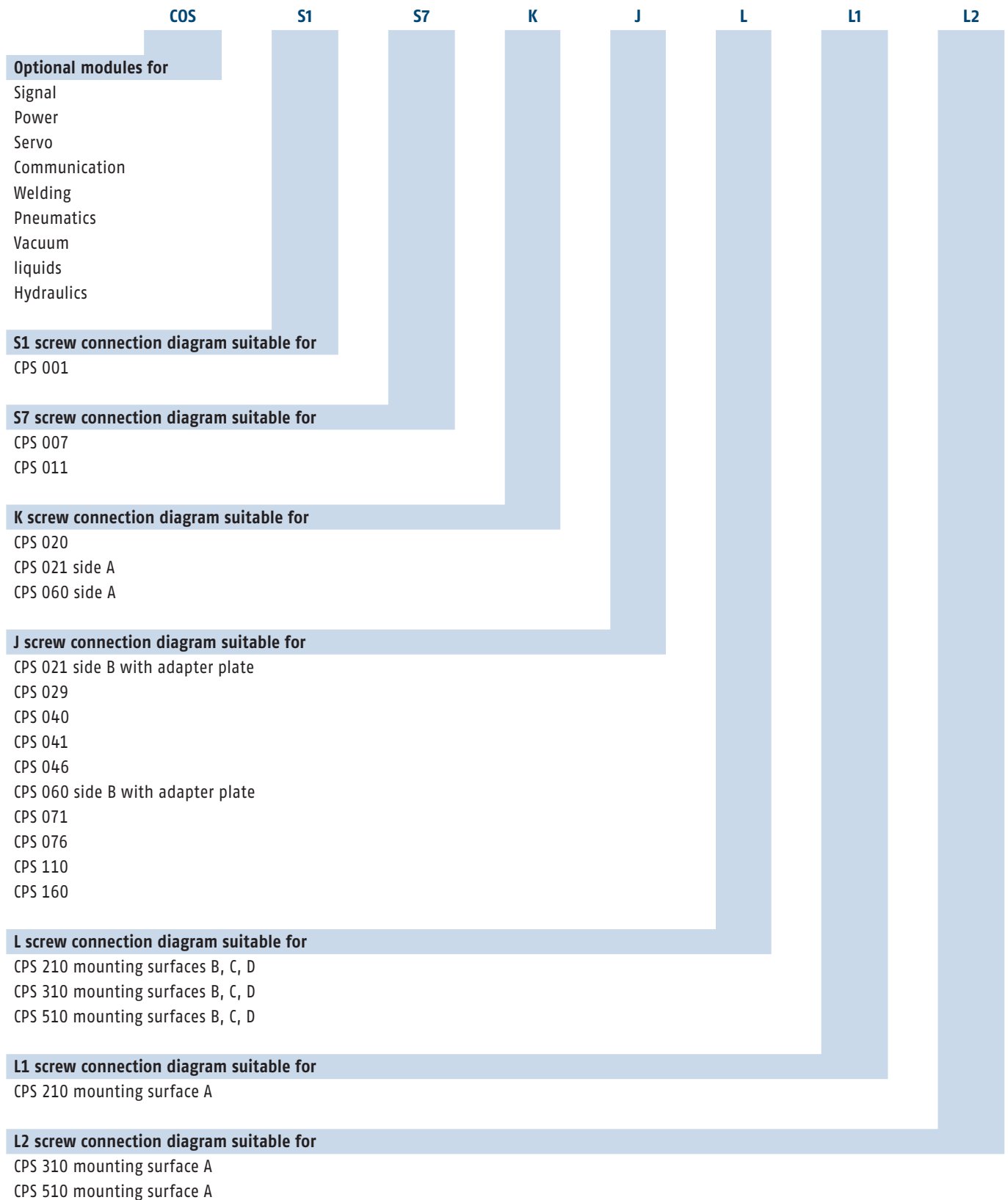
Manual change system



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

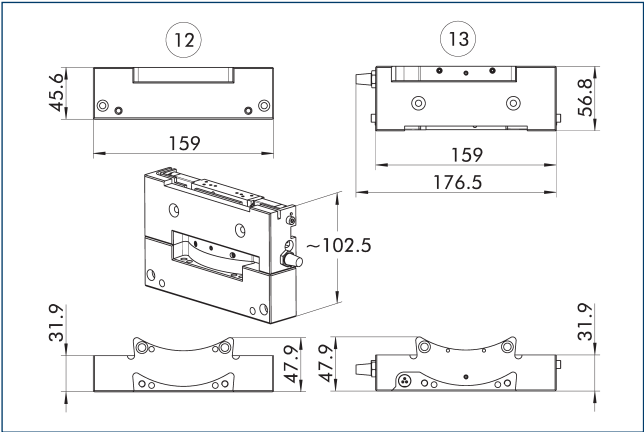


Technical data

Description		COS JU2-K	COS JU3-K
ID		1586306	1586308
Suitable on		Change head	Change head
Screw connection diagram		L1	L2
Weight	[kg]	0.58	0.6
Min./max. ambient temperature	[°C]	5/50	5/50
Protection class IP		IP20	IP20
Alternating voltage	[V AC]	24	24
Direct voltage	[V DC]	24	24
Outlet connection		tangential	tangential
Type of medium		Air	Air
Max. operating pressure	[bar]	6.9	6.9
Special properties		Valve module with bi-stable directional control valve for controlling the CPS-K. Integrated pin block for control via appropriate control module. Pneumatic connection 1x G1/4".	Valve module with bi-stable directional control valve for controlling the CPS-K. Integrated pin block for control via appropriate control module. Pneumatic connection 1x G1/4".

- ① When using a pneumatic control module (with integrated valve) on the CPS-K on side A, the distance plate COS Z50-A-LD, ID 1584093, is also required on the CPS-A.

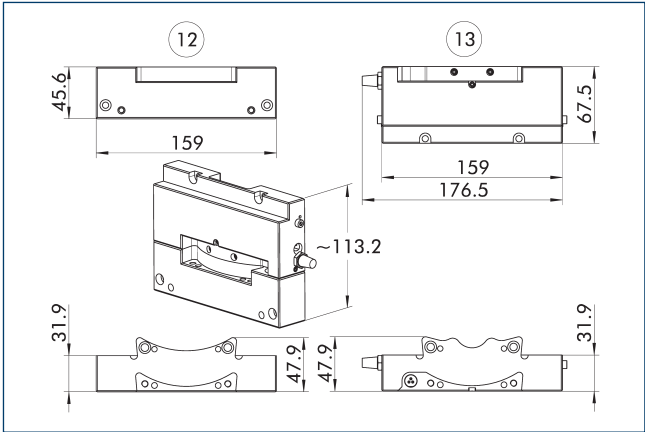
Combination COS JU2-K and spacer plate



12 Master side

13 Adapter side

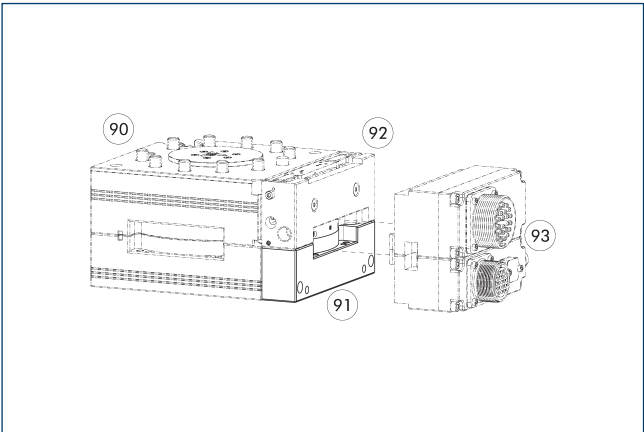
Combination COS JU3-K and spacer plate



12 Master side

13 Adapter side

Distance plate



90 Automatic tool changer CPS

92 Optional module COS master

91 Distance plate

93 Optional module COS master and adapter

Description	ID	Suitable for
Distance plate		
COS Z50-A-LD	1584093	Control modules COS JB2-K, COS JB3-K, COS JU2-K and COS JU3-K



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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