



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS F2HG14A

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

	COS	S1	S7	K	J	L	L1	L2
Optional modules for								
Signal								
Power								
Servo								
Communication								
Welding								
Pneumatics								
Vacuum								
liquids								
Hydraulics								
S1 screw connection diagram suitable for								
CPS 001								
S7 screw connection diagram suitable for								
CPS 007								
CPS 011								
K screw connection diagram suitable for								
CPS 020								
CPS 021 side A								
CPS 060 side A								
J screw connection diagram suitable for								
CPS 021 side B with adapter plate								
CPS 029								
CPS 040								
CPS 041								
CPS 046								
CPS 060 side B with adapter plate								
CPS 071								
CPS 076								
CPS 110								
CPS 160								
L screw connection diagram suitable for								
CPS 210 mounting surfaces B, C, D								
CPS 310 mounting surfaces B, C, D								
CPS 510 mounting surfaces B, C, D								
L1 screw connection diagram suitable for								
CPS 210 mounting surface A								
L2 screw connection diagram suitable for								
CPS 310 mounting surface A								
CPS 510 mounting surface A								

Special designs with modified seals or lubrication are available on request

COS F2HG14A

Feed-through modules

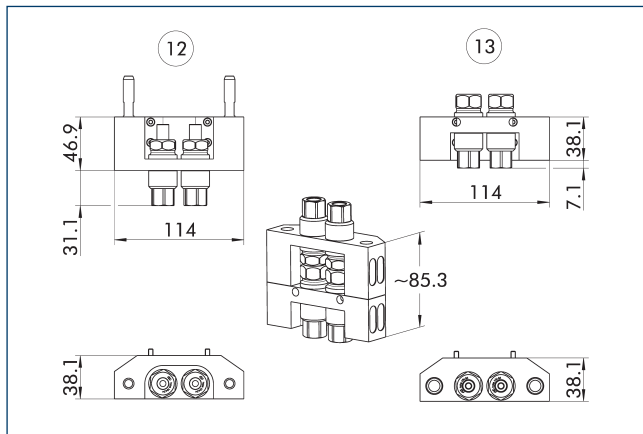


Technical data

Description		COS F2HG14A-K	COS F2HG14A-A
ID		1586502	1586501
Suitable on		Change head	Tool
Screw connection diagram		J	J
Transmission type		Hydraulics	Hydraulics
Weight	[kg]	0.71	0.61
Min./max. ambient temperature	[°C]	5/60	5/60
Outlet connection		axial	axial
No. of fluid feed-throughs		2x G1/4"	2x G1/4"
Type of medium		Hydraulic, water	Hydraulic, water
Max. volumetric flow per fluid feed-through		1.300 l/min (G1/4")	1.300 l/min (G1/4")
Max. operating pressure	[bar]	160	160
Special properties		The pressure may only be applied to one port at any time. The high pressure creates separation forces, which greatly reduces the additionally attached mass on the tool changer. The ports are self-sealing. Nevertheless, a small amount of liquid residue may remain on the surface of the ports when they are uncoupled. The amount of liquid depends to a large extent on the type of fluid processed.	The pressure may only be applied to one port at any time. The high pressure creates separation forces, which greatly reduces the additionally attached mass on the tool changer. The ports are self-sealing. Nevertheless, a small amount of liquid residue may remain on the surface of the ports when they are uncoupled. The amount of liquid depends to a large extent on the type of fluid processed.

① Not suitable for sizes CPS 040 and CPS 041.

Combination COS F2HG14A-K and COS F2HG14A-A



12 Master side

13 Adapter side



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