



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS GD4

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



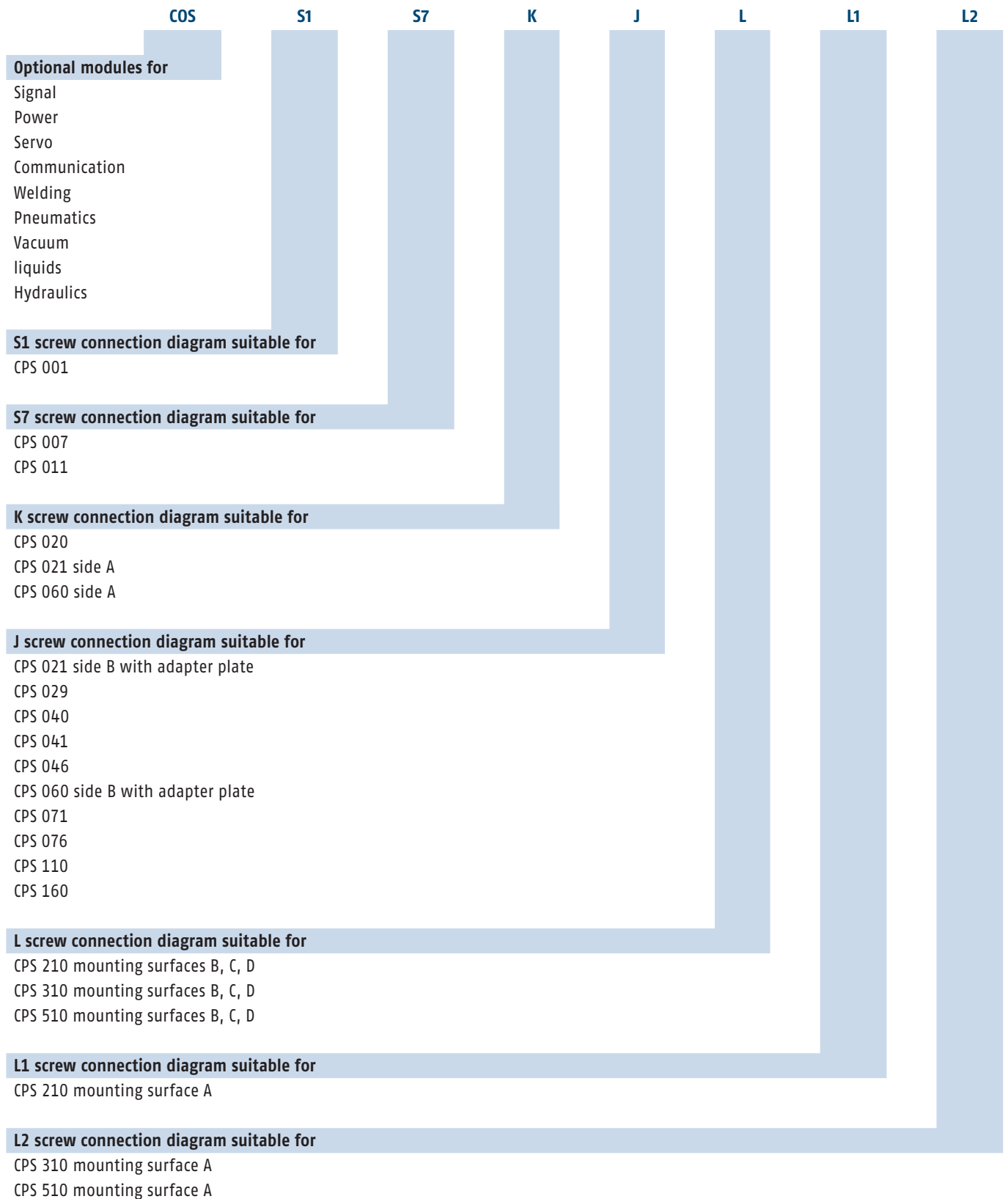
Manual change system



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

COS GD4

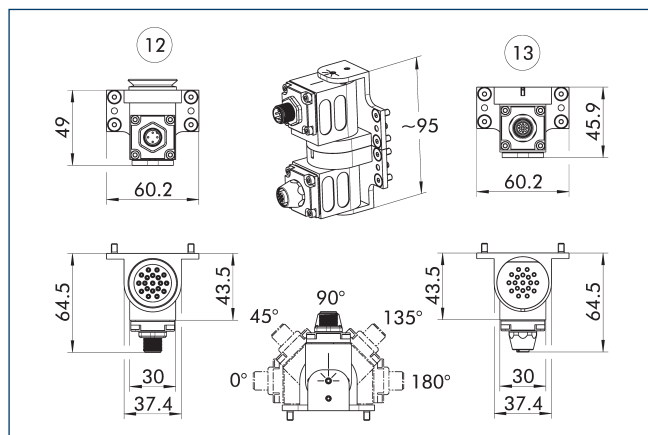
Feed-through modules



Technical data

Description		COS GD4-K	COS GD4-A
ID		1586557	1586556
Suitable on		Change head	Tool
Screw connection diagram		J	J
Transmission type		Signal	Signal
Weight	[kg]	0.14	0.12
Min./max. ambient temperature	[°C]	5/60	5/60
Protection class IP		IP64 (only in a coupled state)	IP64 (only in a coupled state)
Number of pin contacts		4	4
Nominal current	[A]	2	2
Alternating voltage	[V AC]	48	48
Direct voltage	[V DC]	48	48
Electrical connection		M12 connector, A-coded, 4-pin	M12 socket, A-coded, 4-pin
Outlet connection		Can be radially swiveled	Can be radially swiveled
Special properties		Can swivel in five positions	Can swivel in five positions

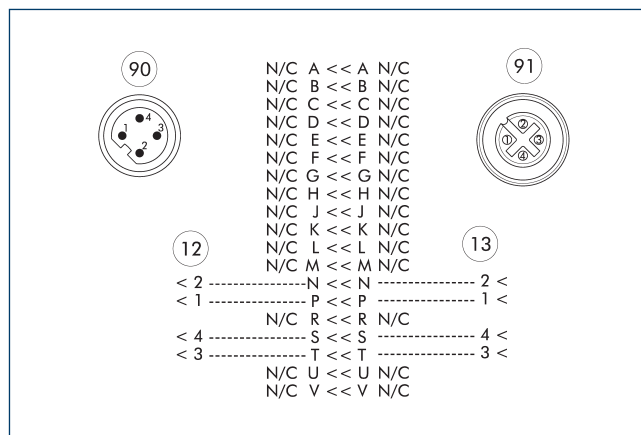
Combination COS GD4-K and COS GD4-A



12 Master side

13 Adapter side

Pin assignment for COS GD4-K and COS GD4-A



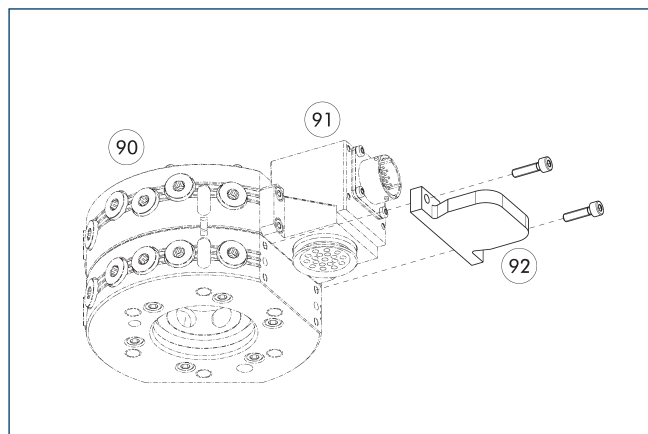
12 Master side

13 Adapter side

90 M12 connector, A-coded, 4-pin

91 M12 socket, A-coded, 4-pin

Cover COS JPC-A



90 Automatic tool changers CPS

92 Cover COS JPC-A

91 Optional module COS master

Description	ID	Suitable for
Cover		
COS JPC-A	1584095	For many electrical modules with screw-on pattern J



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