



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS E20

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



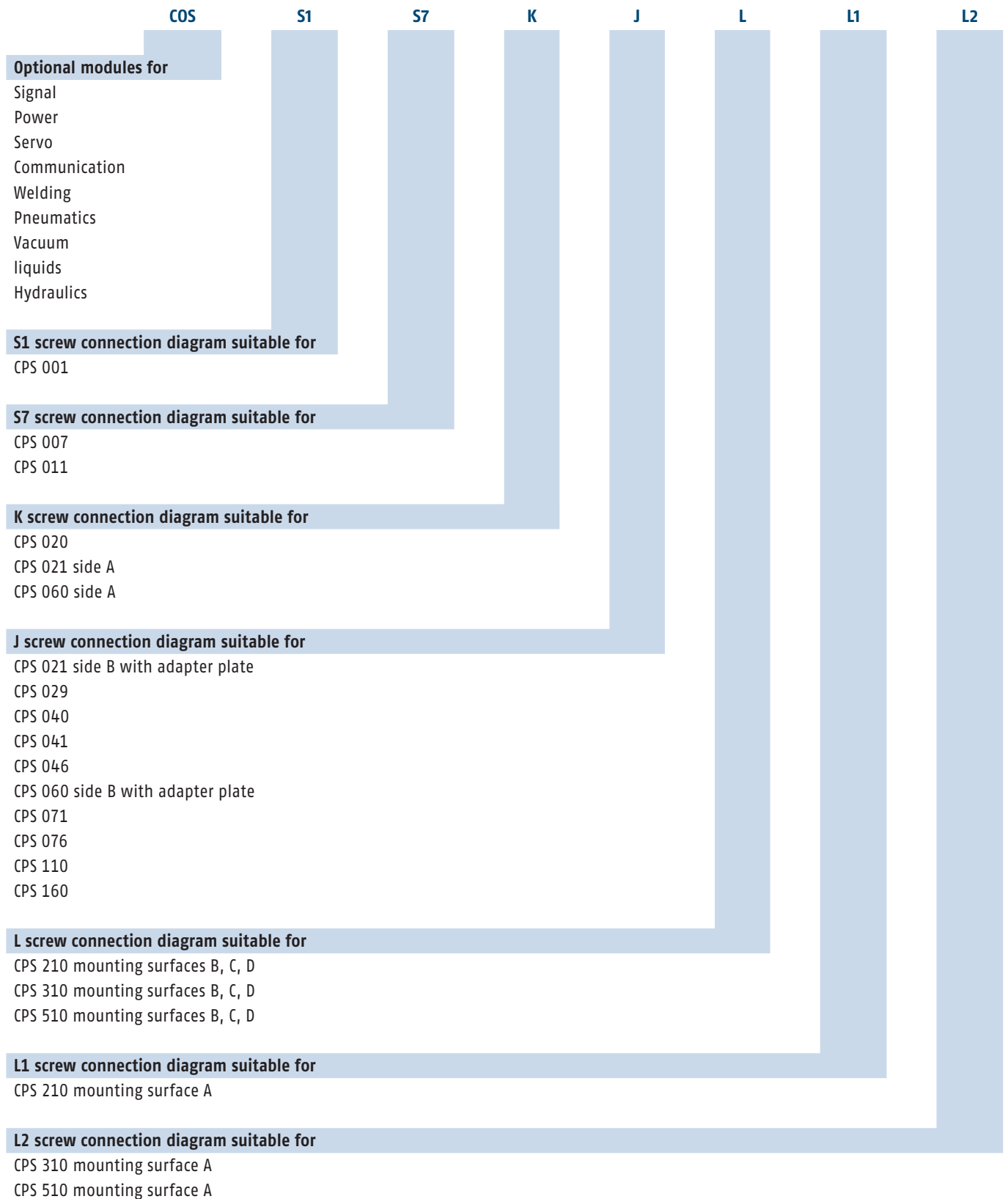
Manual change system



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).

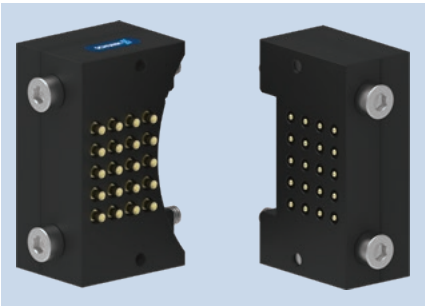
Overview of optional modules and mounting pattern



Special designs with modified seals or lubrication are available on request

COS E20

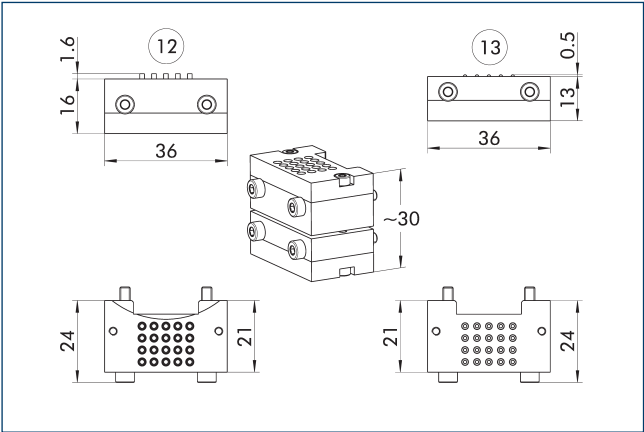
Feed-through modules



Technical data

Description		COS E20-K	COS E20-A
ID		1586987	1586986
Suitable on		Change head	Tool
Screw connection diagram		S7	S7
Transmission type		Signal	Signal
Weight	[kg]	0.015	0.017
Min./max. ambient temperature	[°C]	5/60	5/60
Number of pin contacts		20	20
Nominal current	[A]	3	3
Alternating voltage	[V AC]	50	50
Direct voltage	[V DC]	50	50
Electrical connection		Solder contacts	Solder contacts
Outlet connection		axial	axial

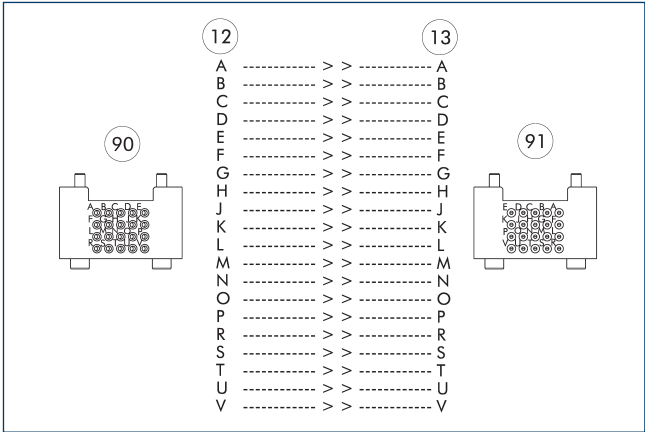
Combination COS E20-K and COS E20-A



12 Master side

13 Adapter side

Pin assignment for COS E20-K and COS E20-A



12 Master side

13 Adapter side

90 Solder contacts

91 Solder contacts



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