



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS TE

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



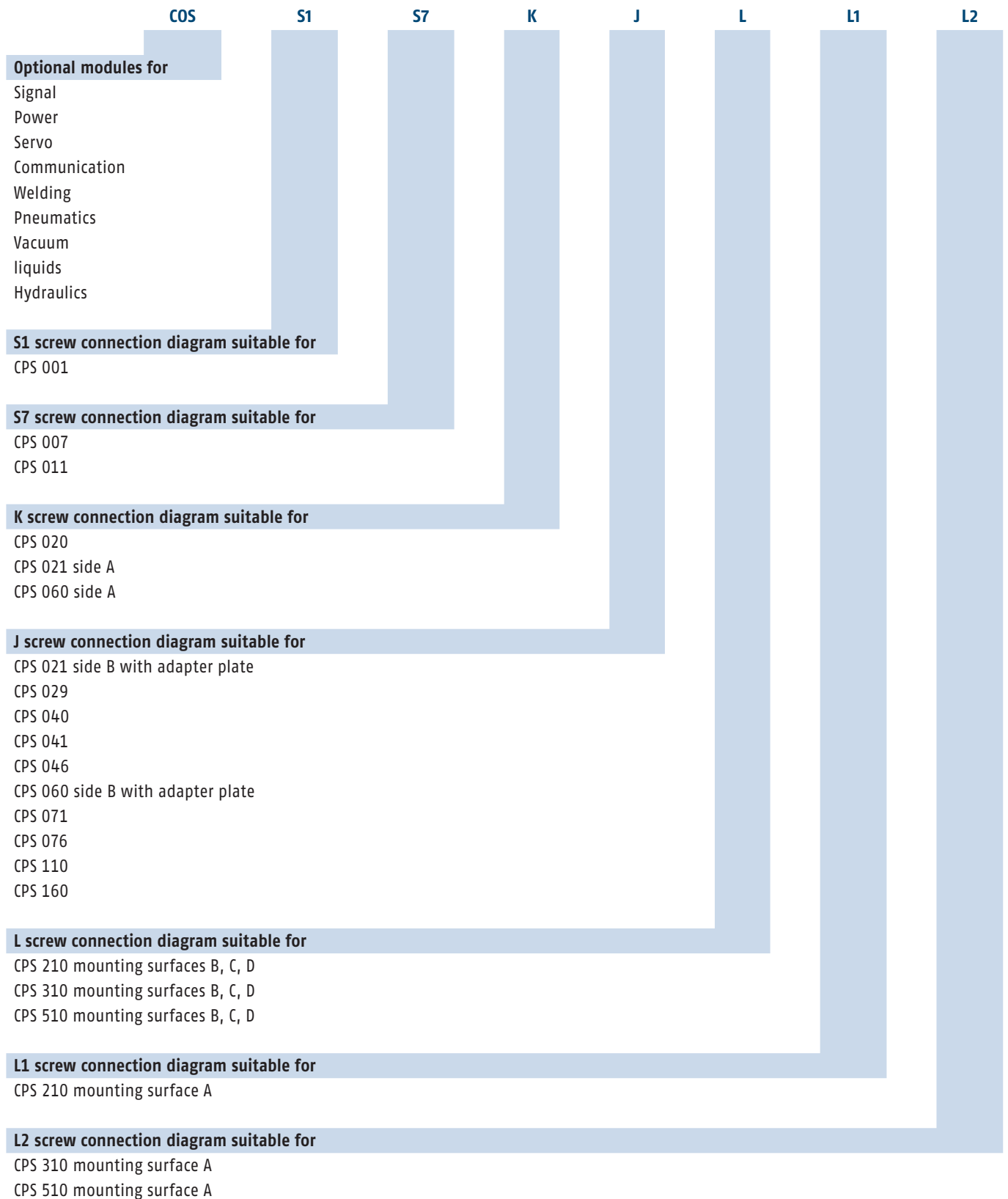
Manual change system



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

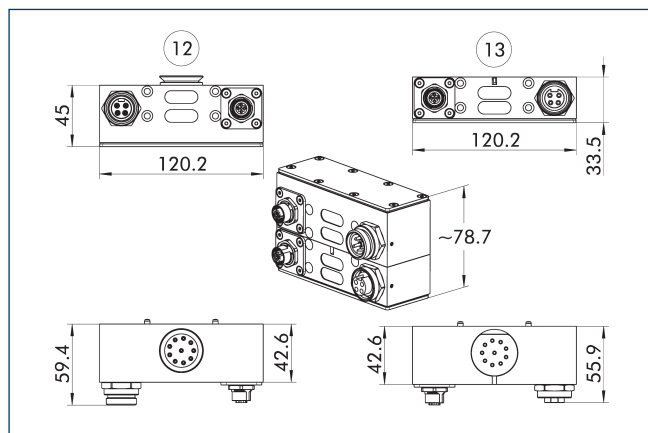


Technical data

Description		COS TE-K	COS TE-A
ID		1586736	1586735
Suitable on		Change head	Tool
Screw connection diagram		J	J
Transmission type		Communication	Communication
Weight	[kg]	0.46	0.46
Min./max. ambient temperature	[°C]	5/60	5/60
Protection class IP		IP64 (only in a coupled state)	IP64 (only in a coupled state)
Bus system		PROFINET, EtherNet	PROFINET, EtherNet
Transmission Speed	[Mbit/s]	10/100	10/100
Number of pin contacts		4	4
Nominal current	[A]	5	5
Alternating voltage	[V AC]	250	250
Direct voltage	[V DC]	250	250
Electrical connection		M12, Female D-Coded connector	M12, Female D-Coded connector
Outlet connection		radial	radial
Electrical connection		7/8" connector, 4-pin	7/8" socket, 4-pin
Electrical connection outlet		radial	radial
Special properties		Simultaneous feed-through of PROFINET/EtherNet and 4-pin voltage supply.	Simultaneous feed-through of PROFINET/EtherNet and 4-pin voltage supply.

① For mounting on CPS 040 and CPS 041, an additional spacer (ID 1584116) is required.

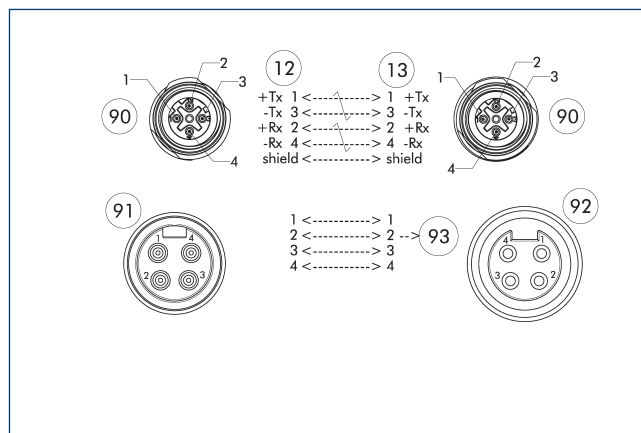
Combination COS TE-K and COS TE-A



12 Master side

13 Adapter side

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



12 Master side

13 Adapter side

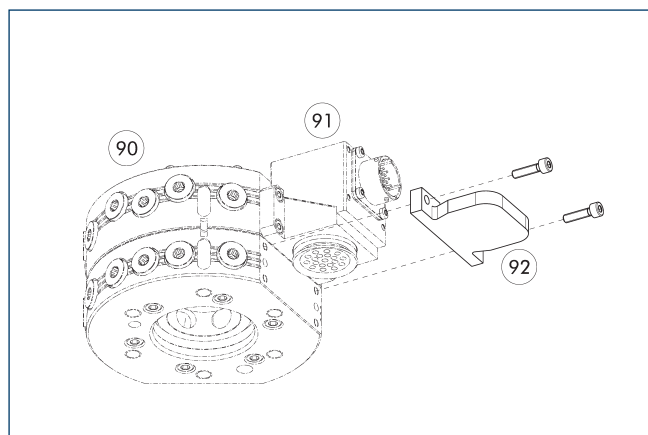
90 M12, Female D-Coded connector

91 7/8" connector, 5-pin

92 7/8" socket, 5-pin

93 leading pin

Cover COS JPC-A



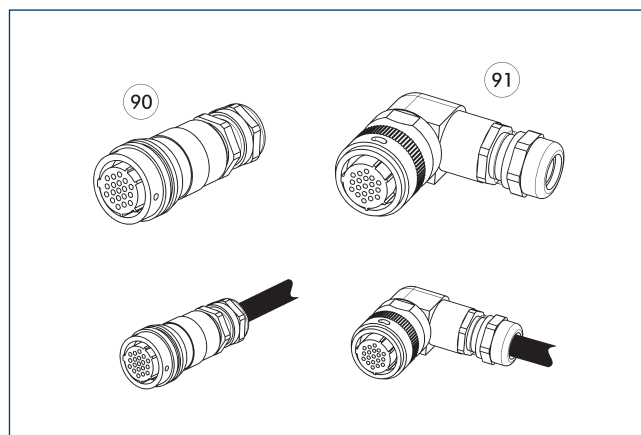
90 Automatic tool changers CPS

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

Cable plug/cable extension



90 Plug/socket straight

91 Connector/angled socket

Other cable lengths on request.

Description	ID	
Straight cable connector		
KBU-7/8-G 4P	9957560	
KST-7/8-G 4P	9957561	
KST-M12-G 4DP	9965967	



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