



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS REP10

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



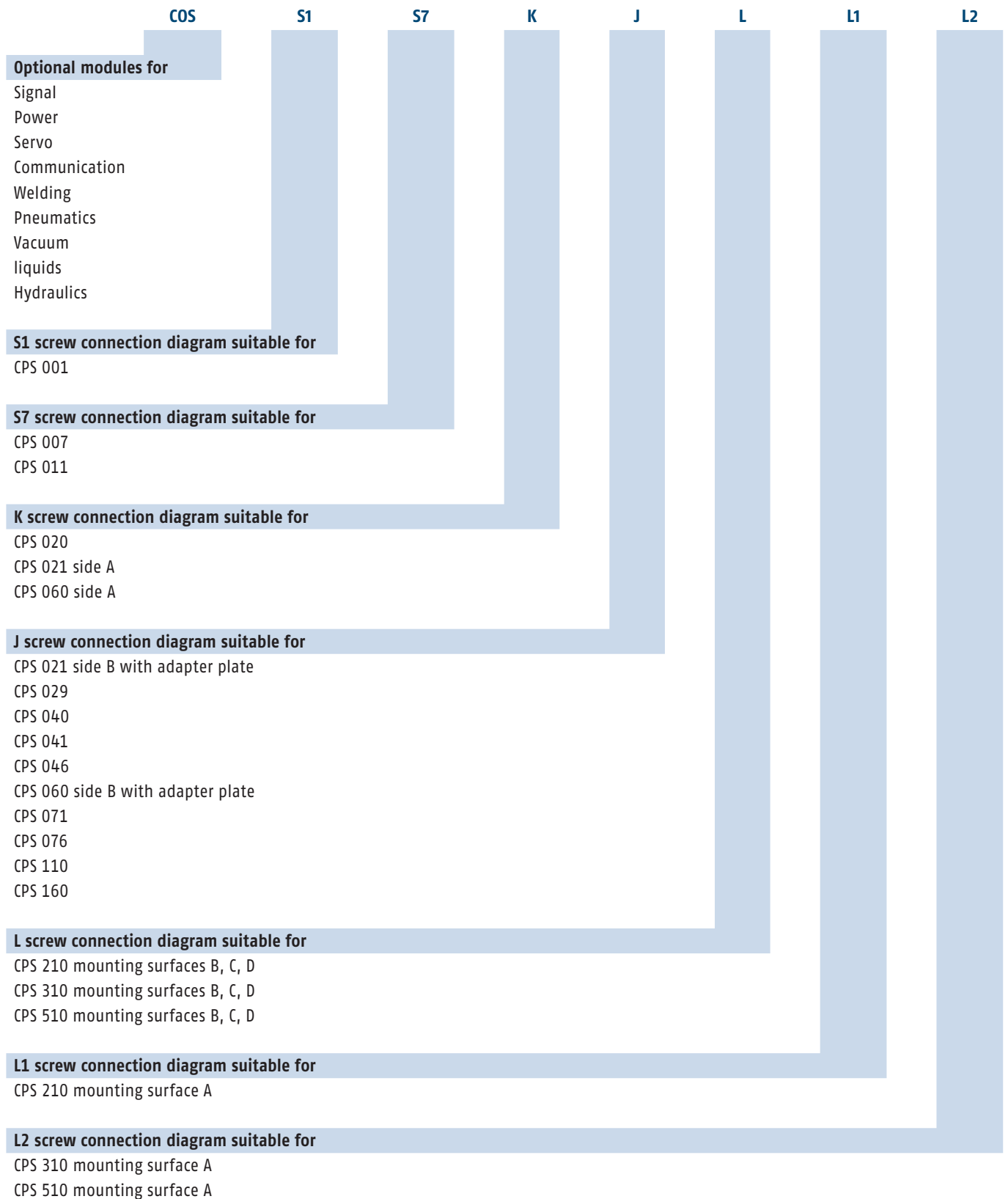
Manual change system



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



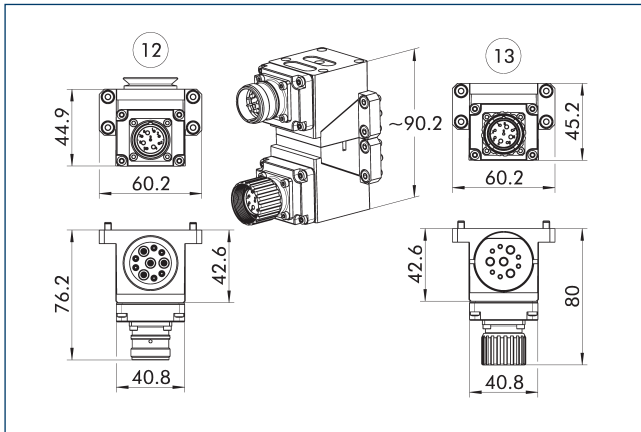
Special designs with modified seals or lubrication are available on request



Technical data

Description		COS REP10-K	COS REP10-KIT-K	COS REP10-A	COS REP10-KIT-A
ID		1586665	1586668	1586664	1586667
Suitable on		Change head	Change head	Tool	Tool
Screw connection diagram		J	J	J	J
Transmission type		Servo	Servo	Servo	Servo
Weight	[kg]	0.14	0.14	0.14	0.14
Min./max. ambient temperature	[°C]	5/60	5/60	5/60	5/60
Protection class IP		IP64 (only in a coupled state)	IP64 (only in a coupled state)	IP64 (only in a coupled state)	IP64 (only in a coupled state)
Number of pin contacts		6	6	6	6
Nominal current	[A]	5	5	5	5
Alternating voltage	[V AC]	48	500	48	500
Direct voltage	[V DC]	74	700	74	700
Electrical connection		M23 connector, 9-pin		M23 socket, 9-pin	
Outlet connection		radial		radial	
Number of pin contacts		3	3	3	3
Nominal current	[A]	15	15	15	15
Alternating voltage	[V AC]	48	500	48	500
Direct voltage	[V DC]	74	700	74	700
Electrical connection			M16 cable gland for Ø 5 – 10 mm		M16 cable gland for Ø 5 – 10 mm
Special properties		Shielding of connector housing is via pinblock, electric circuits (signal & power) are galvanically separated.	Shielding of connector housing is via pinblock, electric circuits (signal & power) are galvanically separated. The KIT has an additional attachment with various outlet options. Direct soldering of the cable strands to the pin block.	Shielding of connector housing is via pinblock, electric circuits (signal & power) are galvanically separated.	Shielding of connector housing is via pinblock, electric circuits (signal & power) are galvanically separated. The KIT has an additional attachment with various outlet options. Direct soldering of the cable strands to the pin block.

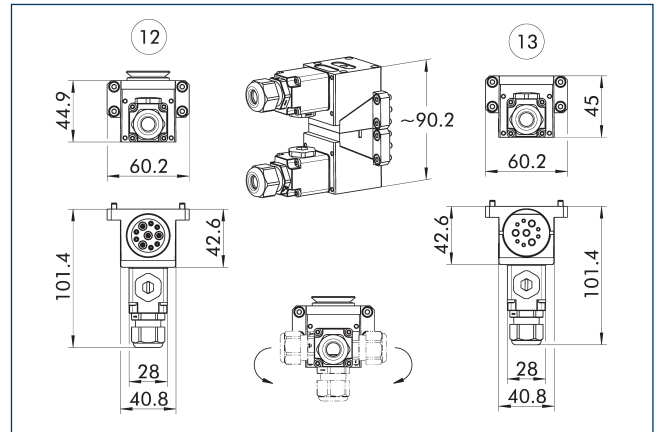
Combination COS REP10-K and COS REP10-A



12 Master side

13 Adapter side

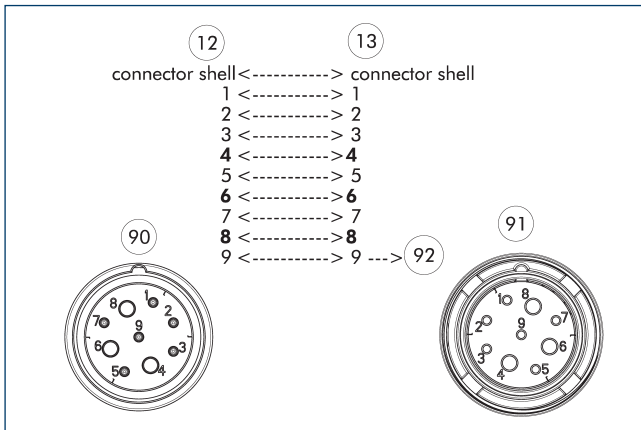
Combination COS REP10-Kit-K and COS REP10-Kit-A



12 Master side

13 Adapter side

Pin assignment for COS REP10-K with COS REP10-A



12 Master side

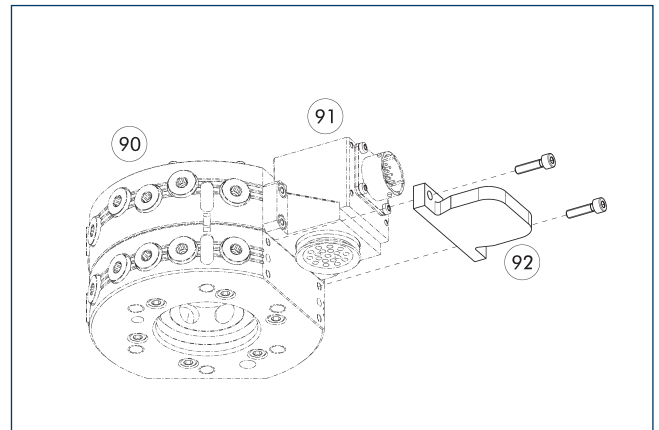
13 Adapter side

90 M23 connector, 9-pin

91 M23 socket, 9-pin

92 leading pin

Cover COS JPC-A



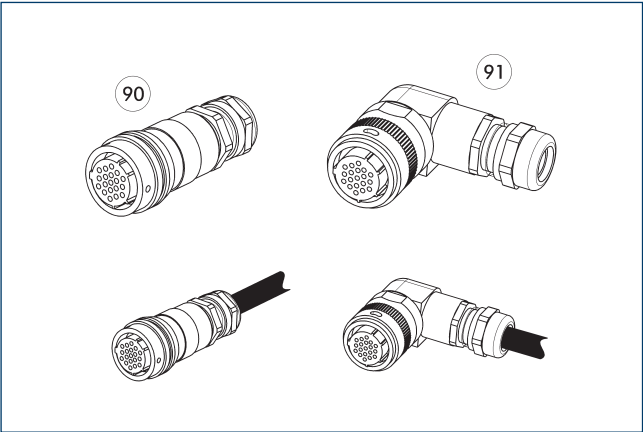
90 Automatic tool changers CPS

91 Optional module COS master

92 Cover COS JPC-A

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	
Angled cable connector		
KAS-REP10-K-90	30081323	
Straight cable connector		
KAS-REP10-A-0	1644046	



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