



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS MT14

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



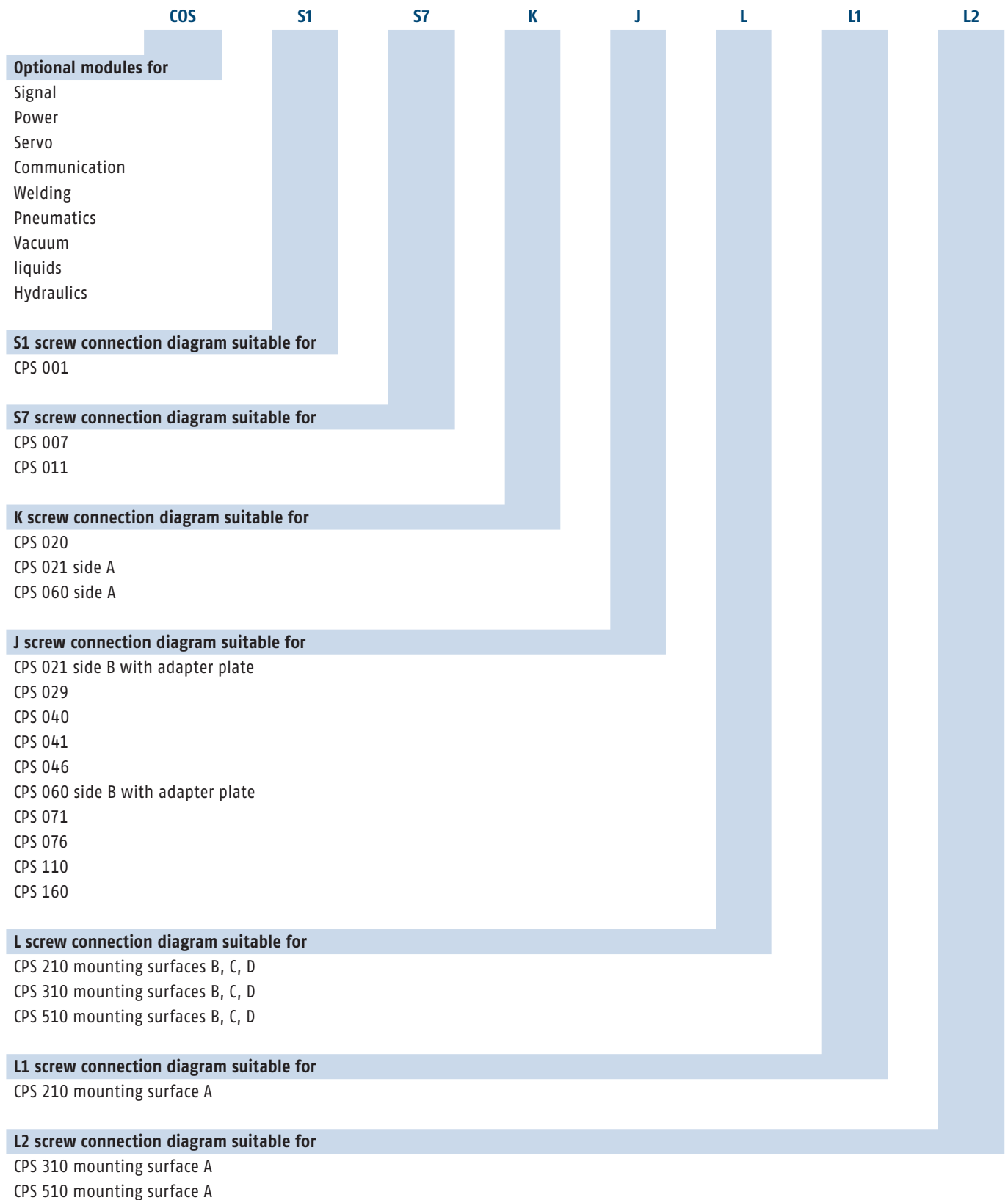
Manual change system



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 MT14

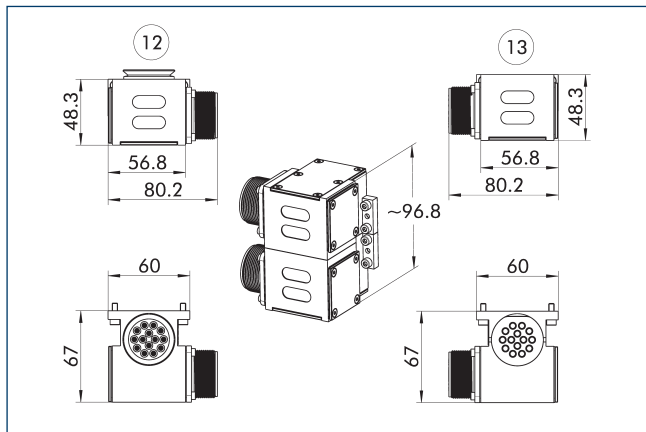
Feed-through modules



Technical data

Description		COS MT14-K	COS MT14-A
ID		1586648	1586646
Suitable on		Change head	Tool
Screw connection diagram		J	J
Transmission type		Power	Power
Weight	[kg]	0.31	0.33
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		14	14
Nominal current	[A]	13	13
Alternating voltage	[V AC]	450	450
Direct voltage	[V DC]	700	700
Electrical connection		Amphenol MS threaded cap connector, 19 pins	Amphenol MS threaded cap socket, 19 pins
Electrical connection outlet		tangential	tangential
Special properties		Right cable outlet	Right cable outlet

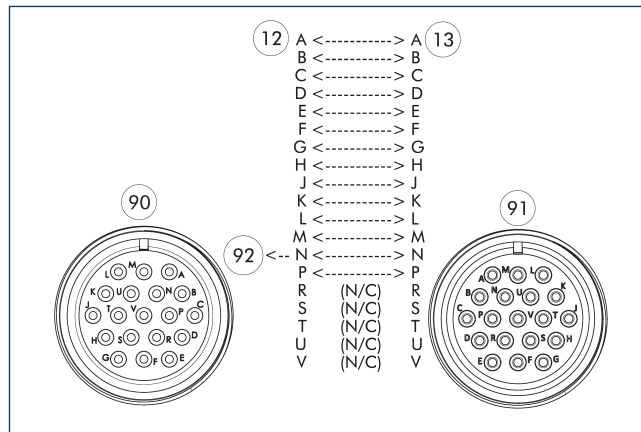
Combination COS MT14-K and COS MT14-A



12 Master side

13 Adapter side

Pin assignment for COS MT14-K with COS MT14-A



12 Master side

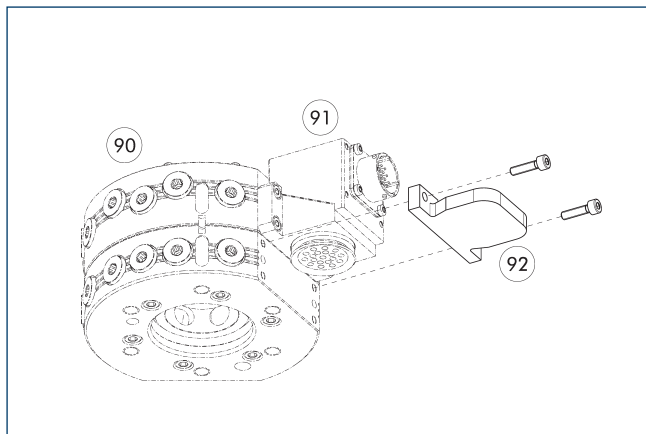
13 Adapter side

90 Amphenol MS threaded cap connector, 19 pins

91 Amphenol MS threaded cap socket, 19 pins

92 leading pin

Cover COS JPC-A



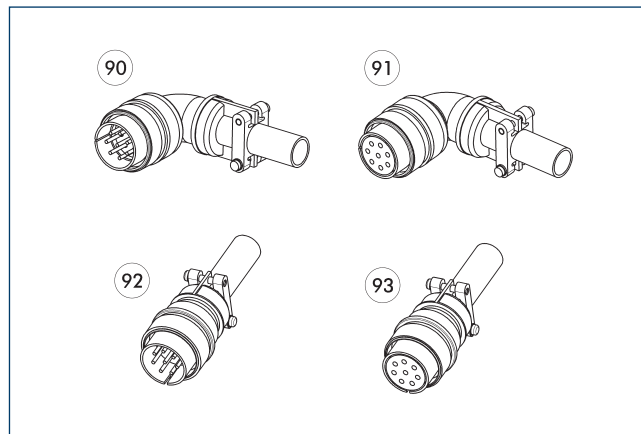
90 Automatic tool changers CPS

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 connector



90 Angled plug

91 Angled socket

92 Straight plug

93 Straight socket

Description	ID	
Angled cable connector, robot-side		
KAS-19G-K-90	0301236	
Angled cable connector, tool-side		
KAS-19G-A-90	0301237	
Straight cable connector, robot-side		
KAS-19G-K-0	0301232	
Straight cable connector, tool-side		
KAS-19G-A-0	0301233	

① Detailed information and further cable connectors can be found at schunk.com



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