



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS KE7

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



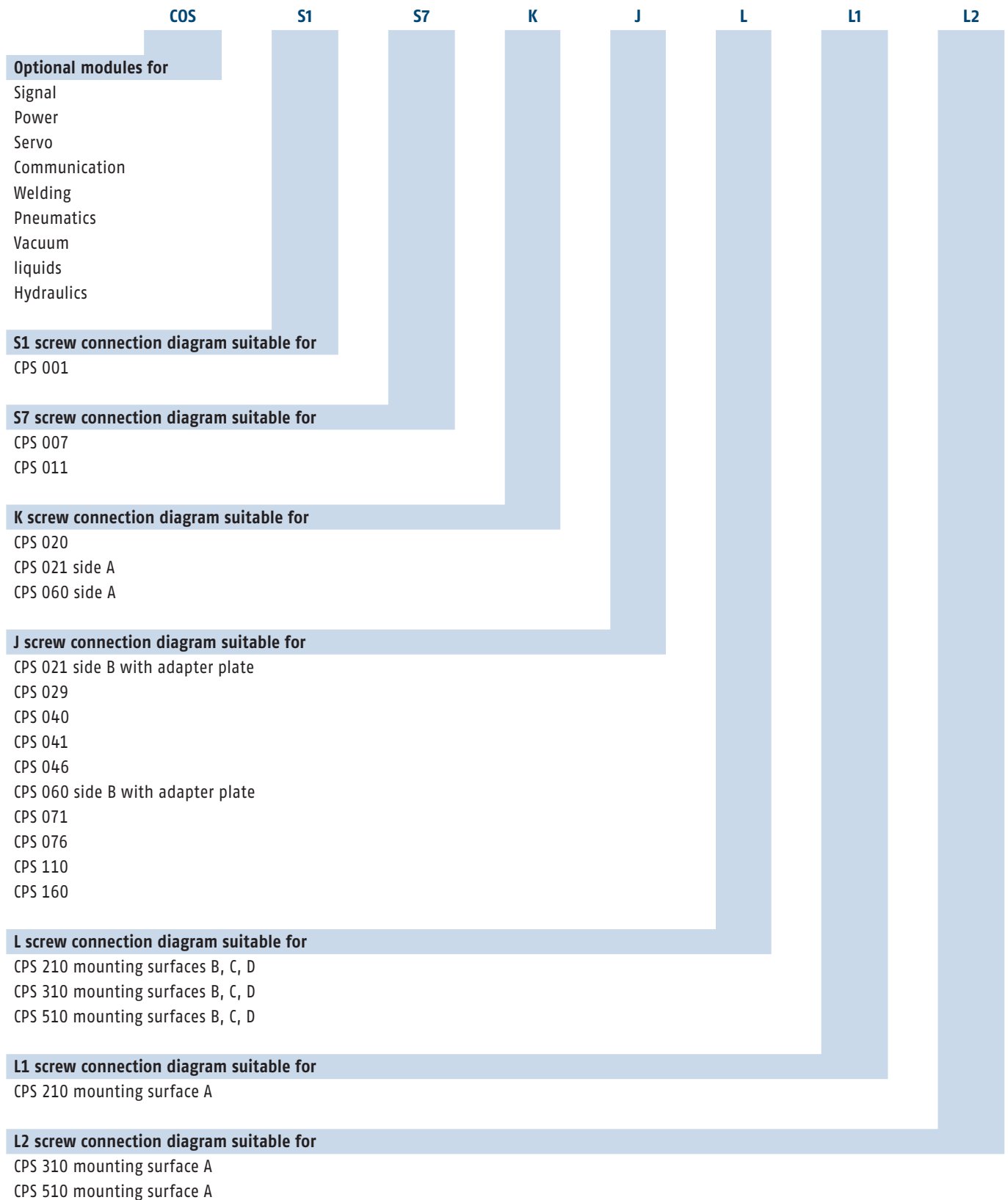
Manual change system



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 KE7

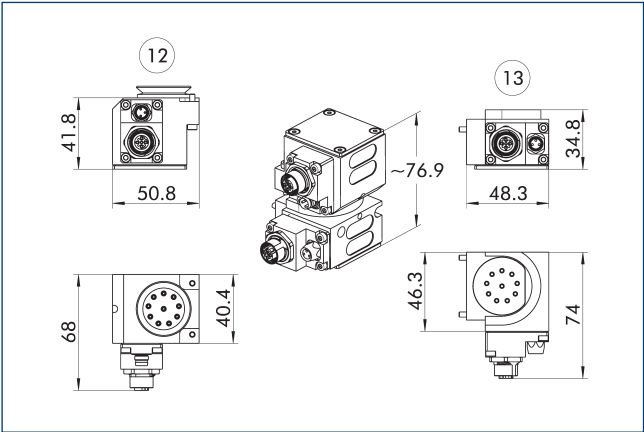
Feed-through modules



Technical data

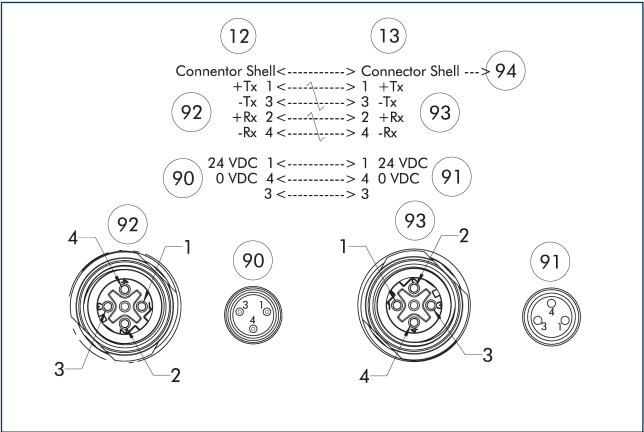
Description		COS KE7-K	COS KE7-A
ID		1586422	1586420
Suitable on		Change head	Tool
Screw connection diagram		K	K
Transmission type		Communication	Communication
Weight	[kg]	0.15	0.14
Min./max. ambient temperature	[°C]	5/60	5/60
Protection class IP		IP64 (only in a coupled state)	IP64 (only in a coupled state)
Bus system		EtherNet	EtherNet
Transmission Speed	[Mbit/s]	100	100
Number of pin contacts		3	3
Nominal current	[A]	4	4
Alternating voltage	[V AC]	125	125
Direct voltage	[V DC]	125	125
Electrical connection		M12, Female D-Coded connector	M12, Female D-Coded connector
Outlet connection		radial	radial
Electrical connection		M8 connector, A-coded, 3-pin	M8 socket, A-coded, 3-pin
Electrical connection outlet		radial	radial
Special properties		Supports Power-over-Ethernet (PoE).	Supports Power-over-Ethernet (PoE).

Combination COS KE7-K and COS KE7-A



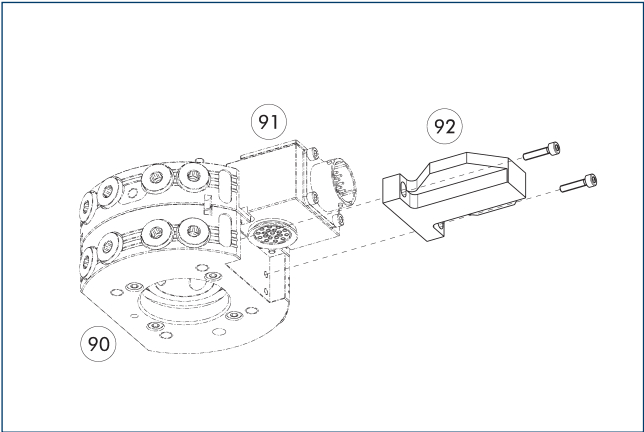
12 Master side 13 Adapter side

Pin assignment for COS KE7-K with COS KE7-A



12 Master side 92 M12, Female D-Coded connector
13 Adapter side 93 M12, Female D-Coded connector
90 M8 connector, A-coded, 3-pin 91 M8 socket, A-coded, 3-pin
94 leading pin

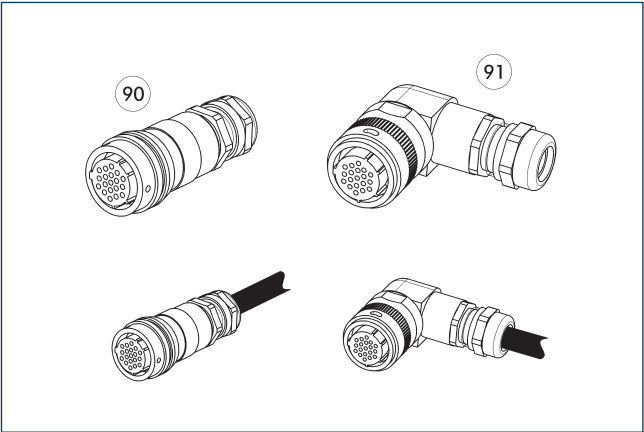
Cover COS KPC-A



90 Automatic tool changers CPS 92 Cover COS KPC-A
91 Optional module COS master

Description	ID	Suitable for
Cover		
COS KPC-A	1585142	Many electrical modules with screw-on pattern K

Cable plug/cable extension



90 Plug/socket straight 91 Connector/angled socket

Other cable lengths on request.

Description	ID	
Angled cable connector		
KBU-7/8-W 4P	1365073	
KST-7/8-W 4P	1365072	
KST-M12-W 4DP	1416610	



SCHUNK SE & Co. KG

Spanntechnik

Greiftechnik

Automatisierungstechnik

Bahnhofstr. 106 - 134

D-74348 Lauffen/Neckar

Tel. +49-7133-103-0

Fax +49-7133-103-2399

info@de.schunk.com

schunk.com

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