



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS K26

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



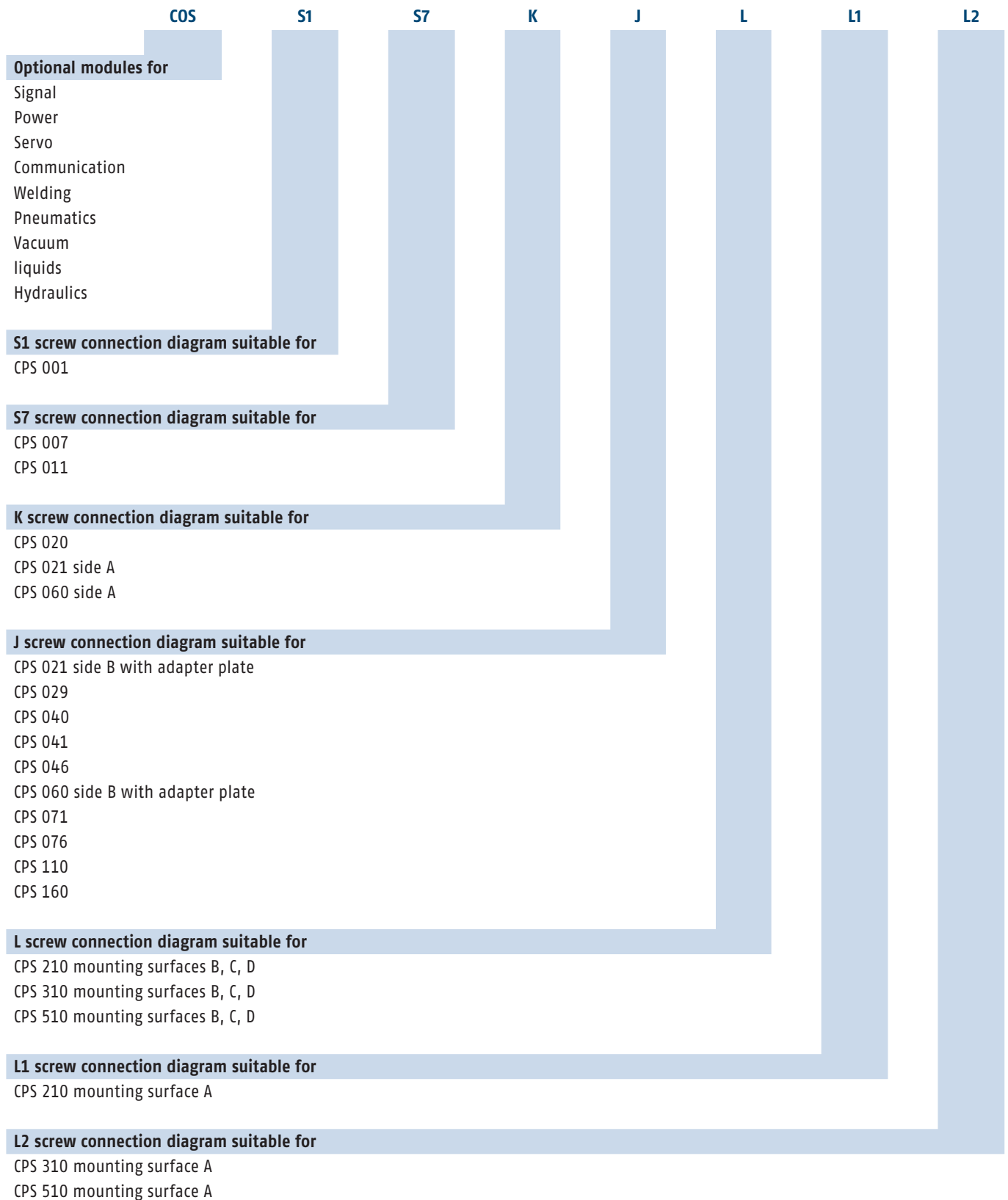
Manual change system



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 K26

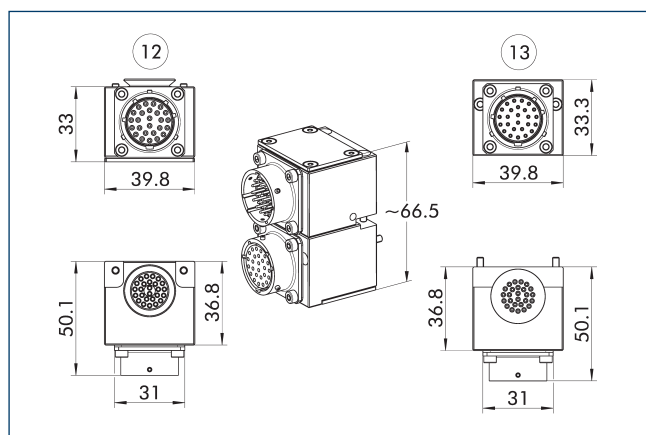
Feed-through modules



Technical data

Description		COS K26-K	COS K26P-K	COS K26-A	COS K21-A
ID		1586398	1586410	1586397	1586395
Suitable on		Change head	Change head	Tool	Tool
Screw connection diagram		K	K	K	K
Transmission type		Signal	Signal	Signal	Signal
Weight	[kg]	0.1	0.13	0.11	0.11
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		26	22	26	21
Nominal current	[A]	3	3	3	3
Alternating voltage	[V AC]	50	50	50	50
Direct voltage	[V DC]	50	50	50	50
Electrical connection		Amphenol PT bayonet lock connector, 26 pins	Amphenol PT bayonet lock connector, 26 pins	Amphenol PT bayonet lock socket, 26 pins	Amphenol PT bayonet lock socket, 26 pins
Outlet connection		radial	radial	radial	radial
Special properties			Two sockets (A-coded, 3-pin) integrated in the module housing for connection of locking and unlocking sensor.		Rotary encoder switch for tool coding of 0 – 15 tools. Designed for max. 0.15 A and 24 V.

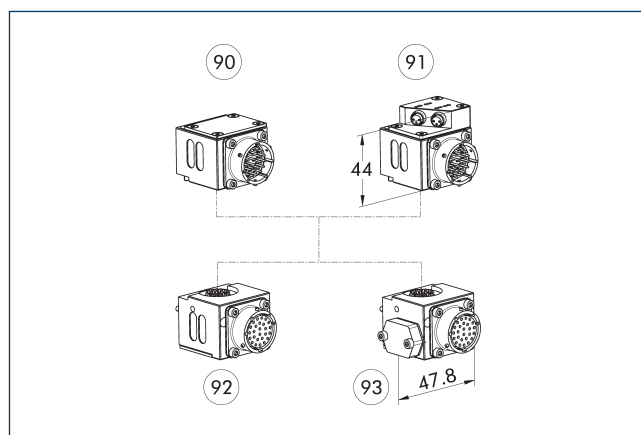
Combination COS K26-K and COS K26-A



12 Master side

13 Adapter side

Combination possibilities K26



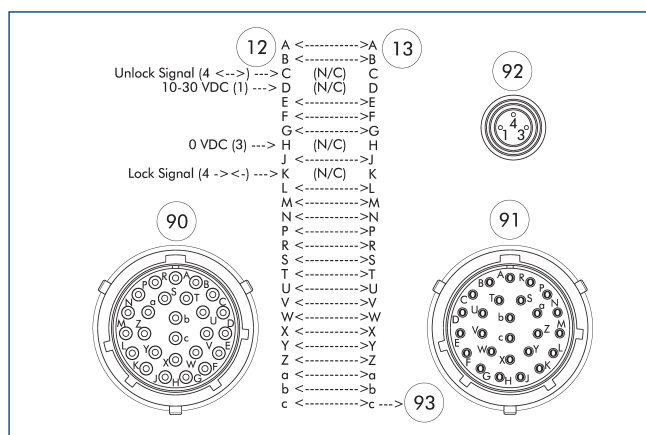
90 COS K26-K

91 COS K26P-K

92 COS K26-A

93 COS K21-A

Pin assignment for COS K26P-K and COS K26-A



12 Master side

13 Adapter side

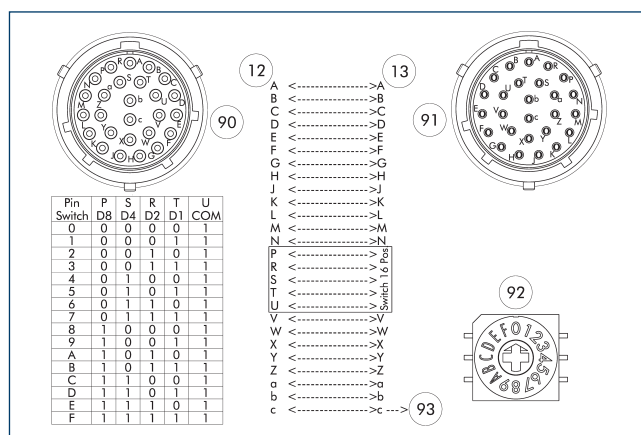
90 Amphenol PT bayonet lock connector, 26 pins

91 Amphenol PT bayonet lock socket, 26 pins

92 M8 socket, A-coded, 3-pin

93 leading pin

Pin assignment for COS K26-K and COS K21-A



12 Master side

13 Adapter side

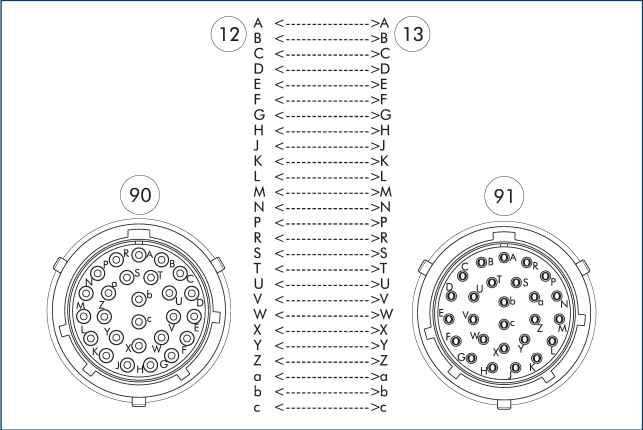
90 Amphenol PT bayonet lock connector, 26 pins

91 Amphenol PT bayonet lock socket, 26 pins

92 Rotary encoder switch for tool coding of 0-15 tools.

93 leading pin

Pin assignment for COS K26-K with COS K26-A



- 12

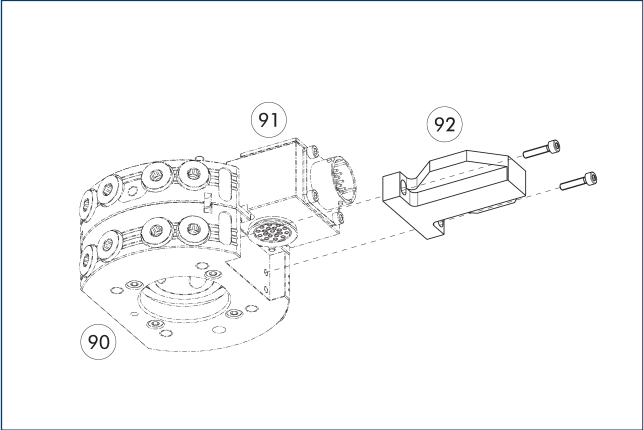
Master side
- 13

Adapter side
- 90

Amphenol PT bayonet lock connector, 26 pins
- 91

Amphenol PT bayonet lock socket, 26 pins

Cover COS KPC-A



- 90

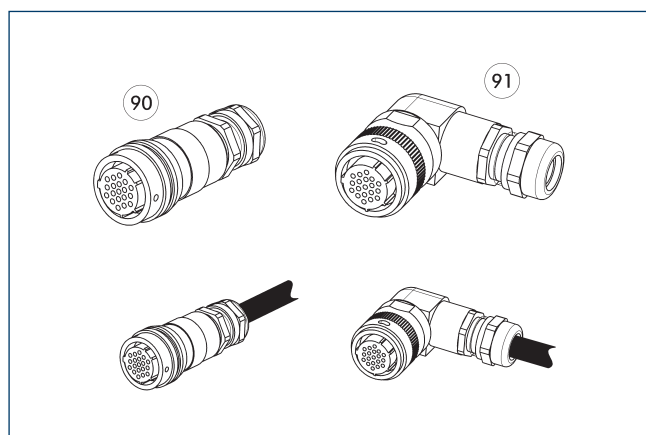
Automatic tool changers CPS
- 91

Optional module COS master
- 92

Cover COS KPC-A

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	Length
		[m]
Angled cable connector, robot-side		
KAS-26B-K-90-C	0301296	
Angled cable connector, tool-side		
KAS-26B-A-90-C	0301297	
Angled cable connector with cable, robot-side		
KA BW26B-L 26P-0300	0302185	3
KA BW26B-L 26P-0500	0302186	5
Angled cable connector with cable, tool-side		
KA SW26B-L 26P-0300	0302187	3
Straight cable connector, robot-side		
KAS-26B-K-0-C	0301290	
Straight cable connector, tool-side		
KAS-26B-A-0-C	0301291	
Straight cable connector with cable, robot-side		
KA BG26B-L 26P-0300	0302192	3
KA BG26B-L 26P-0500	0302193	5
Straight cable connector with cable, tool-side		
KA SG26B-L 26P-0300	0302184	3

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



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