



Hand in hand for tomorrow



Product data sheet

Feed-through modules COS A15

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).

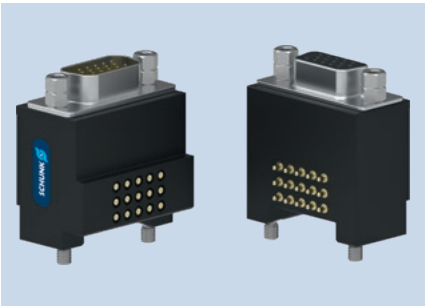
Overview of optional modules and mounting pattern

	COS	S1	S7	K	J	L	L1	L2
Optional modules for								
Signal								
Power								
Servo								
Communication								
Welding								
Pneumatics								
Vacuum								
liquids								
Hydraulics								
S1 screw connection diagram suitable for								
CPS 001								
S7 screw connection diagram suitable for								
CPS 007								
CPS 011								
K screw connection diagram suitable for								
CPS 020								
CPS 021 side A								
CPS 060 side A								
J screw connection diagram suitable for								
CPS 021 side B with adapter plate								
CPS 029								
CPS 040								
CPS 041								
CPS 046								
CPS 060 side B with adapter plate								
CPS 071								
CPS 076								
CPS 110								
CPS 160								
L screw connection diagram suitable for								
CPS 210 mounting surfaces B, C, D								
CPS 310 mounting surfaces B, C, D								
CPS 510 mounting surfaces B, C, D								
L1 screw connection diagram suitable for								
CPS 210 mounting surface A								
L2 screw connection diagram suitable for								
CPS 310 mounting surface A								
CPS 510 mounting surface A								

Special designs with modified seals or lubrication are available on request

COS A15

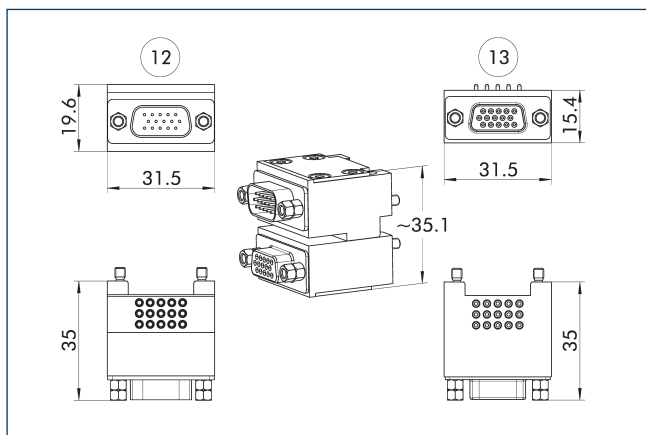
Feed-through modules



Technical data

Description		COS A15-K	COS A15-A
ID		1586965	1586966
Suitable on		Change head	Tool
Screw connection diagram		S7	S7
Transmission type		Signal	Signal
Weight	[kg]	0.02	0.02
Min./max. ambient temperature	[°C]	5/60	5/60
Number of pin contacts		15	15
Nominal current	[A]	2	2
Alternating voltage	[V AC]	50	50
Direct voltage	[V DC]	50	50
Electrical connection		D-sub connecting plug	D-sub connector
Outlet connection		radial	radial

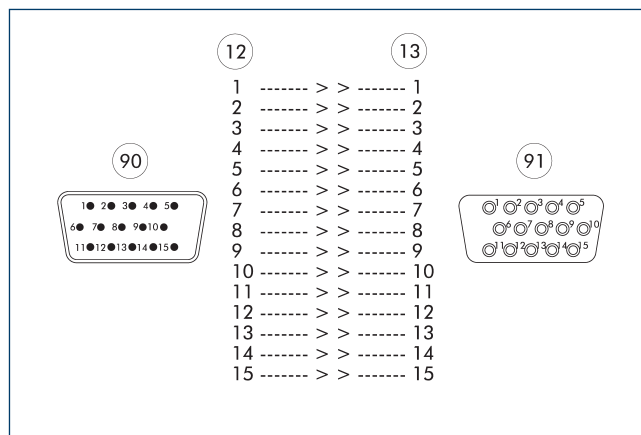
Combination COS A15-K and COS A15-A



12 Master side

13 Adapter side

Pin assignment for COS A15-K and COS A15-A



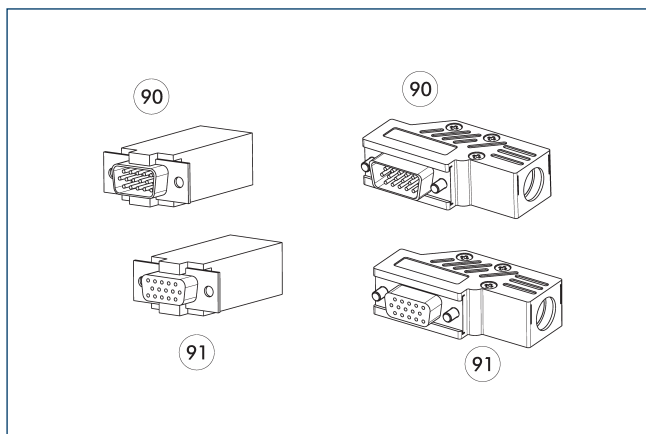
12 Master side

13 Adapter side

90 D-sub connecting plug

91 D-sub connector

Cable connector



90 D-sub connecting plug

91 D-sub connector

Description	ID
Angled cable connector, robot-side	
KAS-A15-K-90	0301301
Angled cable connector, tool-side	
KAS-A15-A-90	0301302
Straight cable connector, robot-side	
KAS-A15-K-0	0301264
Straight cable connector, tool-side	
KAS-A15-A-0	0301265

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



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