



Hand in hand for tomorrow



Product data sheet

Feed-through modules C0B CB1

Compact. Reliable. Flexible.

Optional modules COB

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

Compact design Ensures a low interfering contour

Wide range of different variants for feeding through of various media

Standardized screw connection Enables quick and easy mounting on SCHUNK tool changers

Combination of several optional modules for maximum flexibility of the tool changer

Sophisticated design Ensures a combination of reliability and durability

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 CPB

② Optional modules COB

③ 2-finger parallel gripper
PGN-plus-P

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.

COB CB1

Feed-through modules

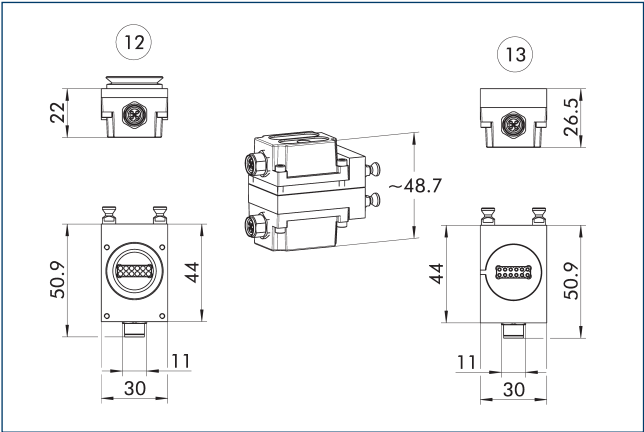


Technical data

Description		COB CB1-K	COB CB1-A
ID		1586376	1586375
Suitable on		Change head	Tool
Screw connection diagram		B	B
Transmission type		Communication	Communication
Weight	[kg]	0.043	0.046
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, EtherCat, PROFINET	EtherNet, EtherCat, PROFINET
Transmission Speed	[Mbit/s]	100	100
Number of pin contacts		4	4
Nominal current	[A]	2	2
Direct voltage	[V DC]	48	48
Electrical connection		M8 socket, D-coded, 4-pin	M8 socket, D-coded, 4-pin
Outlet connection		radial	radial

ⓘ We recommend using the appropriate connection cables and cable extensions on the following pages for interfering-contour-optimized application.

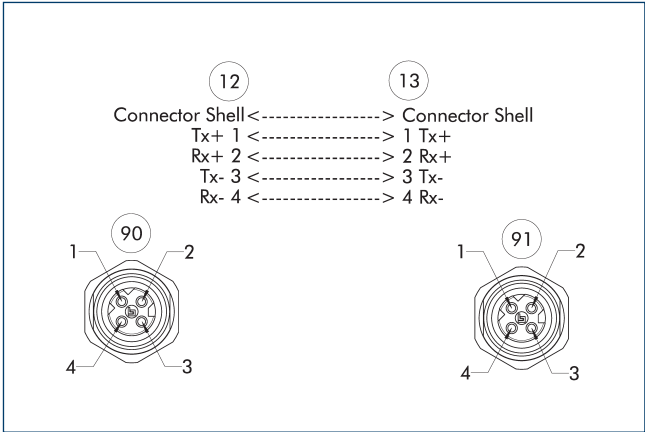
Combination COB CB1-K and COB CB1-A



12 Master side

13 Adapter side

Pin assignment for COB CB1-K and COB CB1-A



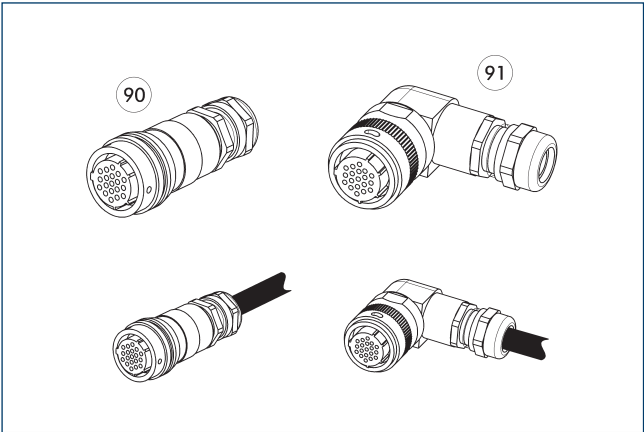
12 Master side

13 Adapter side

90 M8 socket, D-coded, 4-pin

91 M8 socket, D-coded, 4-pin

Cable plug/cable extension



90 Plug/socket straight

91 Connector/angled socket

Other cable lengths on request.

Description	ID	
Straight cable connector		
KST-M8-G 4DP	1628054	
Cable extension		
KV SG084DP-SG084DP-0030	1627617	
KV SG084DP-SW084DP-0030	1627619	



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