



Hand in hand for tomorrow



Product data sheet

Feed-through modules C0B P4

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 P4

Feed-through modules

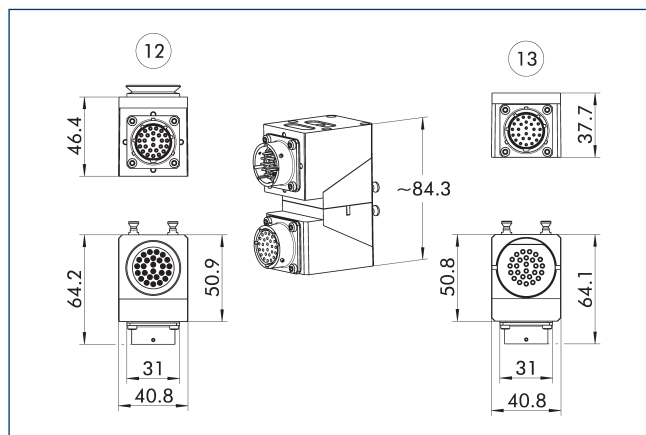


Technical data

Description		COB P4-K	COB P4S-K	COB P4-A	COB P4C-A
ID		1607017	1607018	1607019	1607020
Suitable on		Change head	Change head	Tool	Tool
Screw connection diagram		B	B	B	B
Transmission type		Signal	Signal	Signal	Signal
Weight	[kg]	0.15	0.15	0.15	0.15
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]	250	250	250	250
Direct voltage	[V DC]	250	250	250	250
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 for 0-31 tools. Designed for max. 0.15 A and 24 V.

① We recommend using the appropriate connection cables and cable extensions on the following pages for interfering-contour-optimized application.

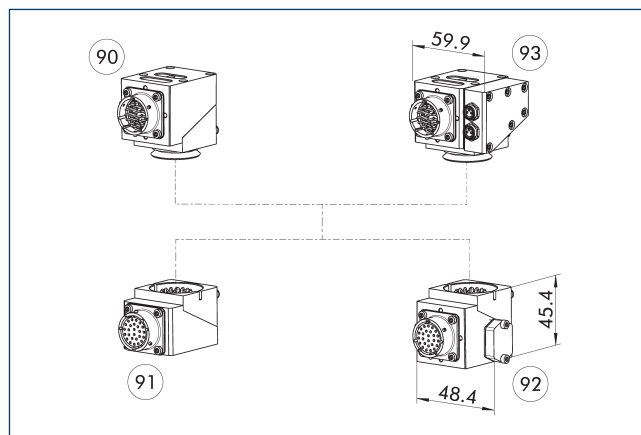
Combination COB P4-K and COB P4-A



12 Master side

13 Adapter side

Combination possibilities P4



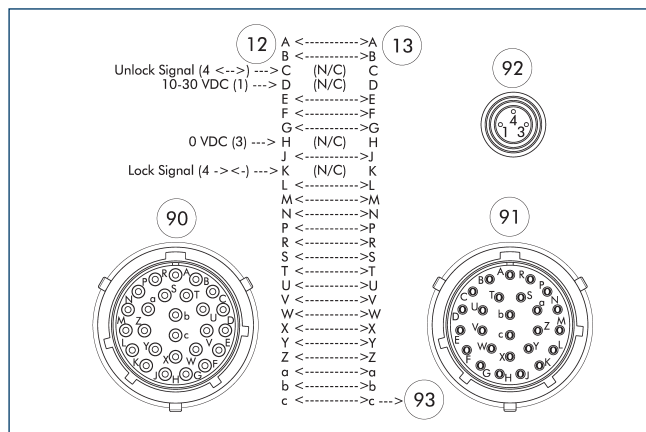
90 COB P4-K

91 COB P4-A

92 COB P4C-A

93 COB P4S-K

Pin assignment for COB P4S-K and COB P4-A



12 Master side

13 Adapter side

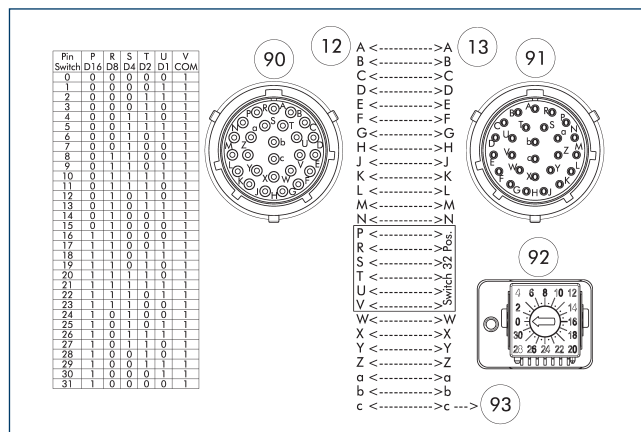
90 Amphenol PT bayonet lock connector, 26 pins

91 Amphenol PT bayonet lock socket, 26 pins

92 M8 socket, A-coded, 3-pin

93 leading pin

Pin assignment for COB P4-K and COB P4C-A



12 Master side

13 Adapter side

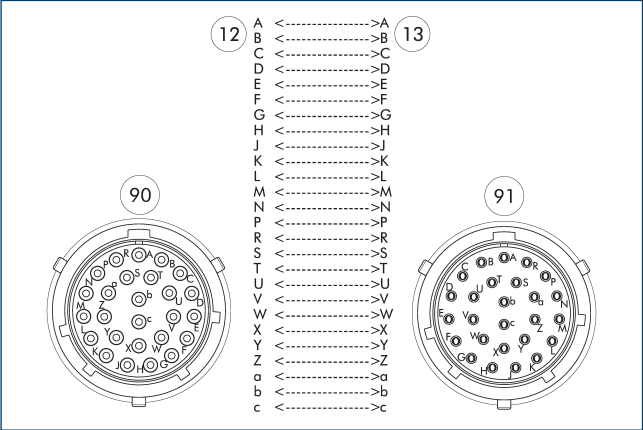
90 Amphenol PT bayonet lock connector, 26 pins

91 Amphenol PT bayonet lock socket, 26 pins

92 Rotary encoder switch for tool coding for 0 - 31 tools.

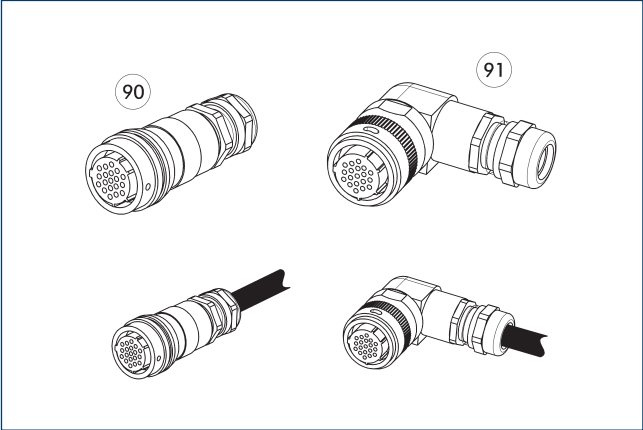
93 leading pin

Pin assignment for COB P4-K and COB P4-A



- 12 Master side
- 13 Adapter side
- 90 Amphenol PT bayonet lock connector, 26 pins
- 91 Amphenol PT bayonet lock socket, 26 pins

Cable plug/cable extension



- 90 Plug/socket straight
- 91 Connector/angled socket

Other cable lengths on request.

Description	ID	
Angled cable connector, robot-side		
KAS-26B-K-90-C	0301296	
Angled cable connector, tool-side		
KAS-26B-A-90-C	0301297	
Straight cable connector, robot-side		
KAS-26B-K-0-C	0301290	
Straight cable connector, tool-side		
KAS-26B-A-0-C	0301291	

① Detailed information and further cable connectors can be found at [schunk.com](https://www.schunk.com)



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