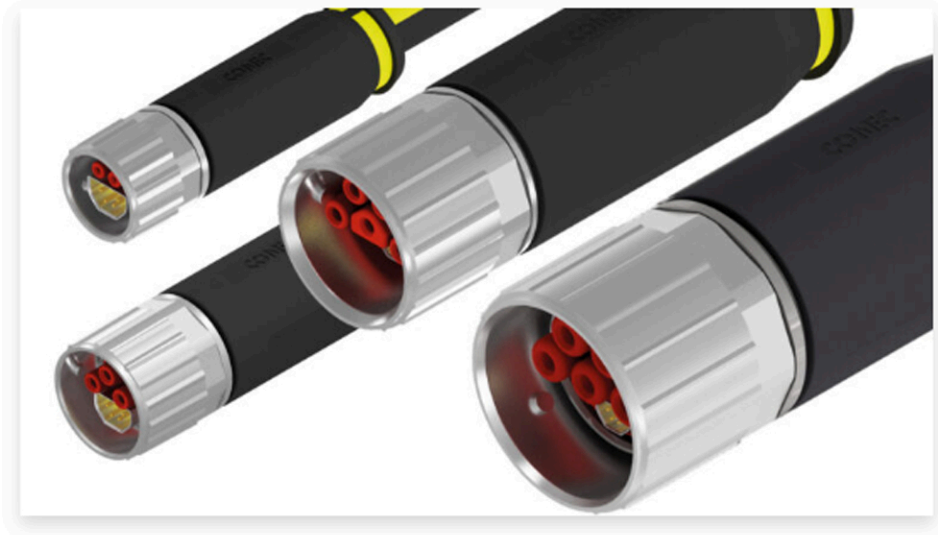


**2in1 | Ethercat/Ethernet + Power = CONEC Hybrid**

**... Connector series B12, B17, B23, B40**





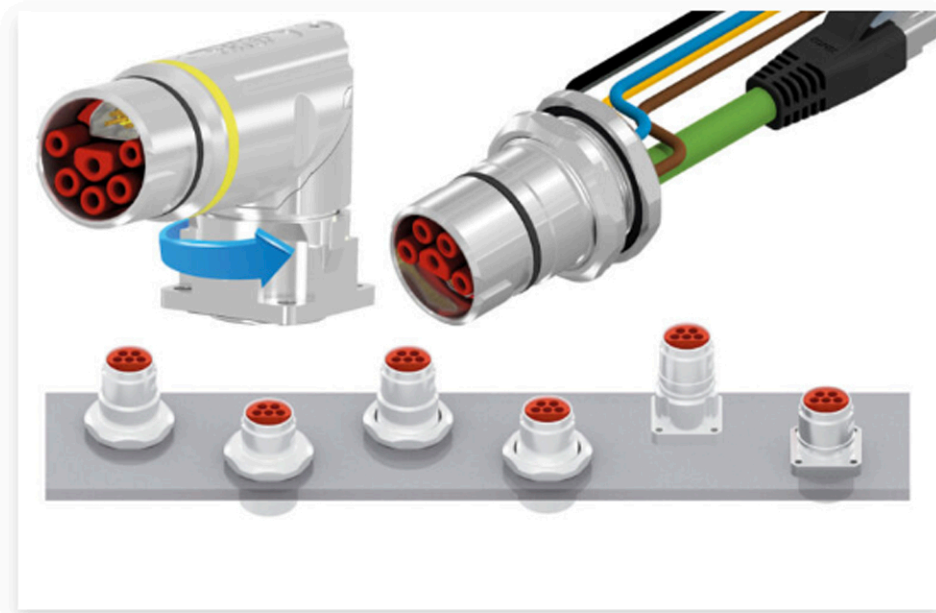
## Connectors overmoulded

- Open end and connection cables
- Tamper proof
- Quick and secure connection by bayonet locking

## Field attachable

- Simple and safe assembly in the field
- Quick and secure connection by bayonet locking





## Receptacles

- angled rotatable
- 7 configurations
  - Front panel mounting short & long
  - Rear panel mounting long & short
  - Square receptacles long & short
- Receptacles angled, rotatable
- Crimp termination
- Quick and secure connection by bayonet locking

With the angled B23 hybrid receptacle, it is possible to equip servo drives with an output of more than 20 kW with a one-cable solution. By turning the cable outlet in 18 steps, the receptacle can be adjusted to the respective installation situation in the machine and allows a stress-free connection of the cable regardless of the assembly situation.

## Your advantages at a glance

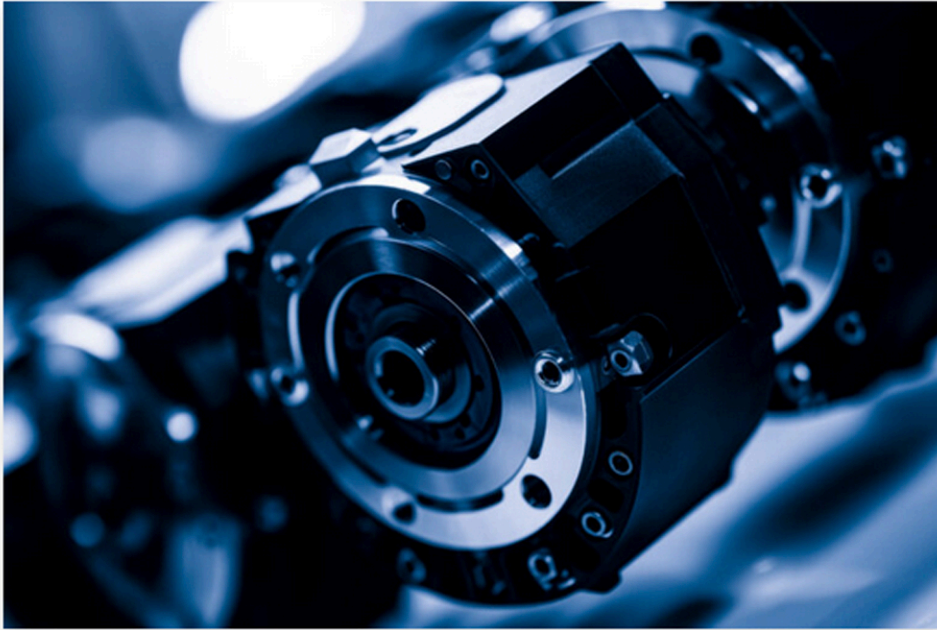
### Advantages:

- Space-saving by transmitting data and power via one single connector
- Modular system
- Reduced wiring
- Shorter assembly times
- Cost savings
- Fast and secure connection with bayonet locking
- Degree of protection IP67
- Improved diagnostic possibilities
- Compact and robust design

### Fields of Application:

- Drive technology
- Mechanical engineering
- Robotics
- Assembly and production lines
- Renewable energy

## APPLICATION EXAMPLES:



### **Mechanical Engineering/Servo Motors**

Decentralized servo drive systems for  
modular and cabinetless machines

### **Plant engineering**

Plants with decentralized control



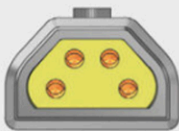
**Installation size and contact variants**

Maximum flexibility, 4 sizes, various data modules and numbers of poles

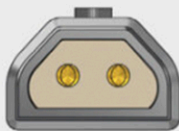
**Data modul variants**



Blindmodul, Einsatz als reiner Power Steckverbinder  
*Blind modul, Use as pure power connector*



4-pol./pos. geschirmt für das Ethernet/EtherCAT Protokoll  
*4-pol./pos. shielded, Use for the Ethernet/EtherCAT protocol*



2-pol./pos. geschirmt, Einsatz für 2-Draht BUS Protokolle  
*2-pol./pos. shielded, User for 2-wire BUS protocol*

**B12**



Power: 2-pol./pos.  
 Litzen/Wire Ø max.: 0,75 mm<sup>2</sup>

**B17**



Power: 2-pol./pos.+PE  
 Litzen/Wire Ø max.: 1,5 mm<sup>2</sup>



Power: 2-pol./pos.+PE  
 Litzen/Wire Ø max.: 2,5 mm<sup>2</sup>

**B23**



Power: 4-pol./pos.+PE  
 Litzen/Wire Ø max.: 4,0 mm<sup>2</sup>

**B40**



Power: 4-pol./pos.+PE  
 Litzen/Wire Ø max.: 16 mm<sup>2</sup>



Power: 3-pol./pos.+PE  
 Litzen/Wire Ø max.: 1,5 mm<sup>2</sup>



Power: 4-pol./pos.+PE  
 Litzen/Wire Ø max.: 1,5 mm<sup>2</sup>



Power: 3-pol./pos.+PE  
 +2-pol./pos.  
 Litzen/Wire Ø max.: 2,5/4,0 mm<sup>2</sup>



Power: 3-pol./pos.+PE  
 +2-pol./pos.  
 Litzen/Wire Ø max.: 1,5/0,75 mm<sup>2</sup>

## Overview CONEC Hybrid connectors

Characteristics	CONEC Hybrid connectors											
Size	B12			B17			B23				B40	
Connector type	overmoulded	field attachable	receptacles	overmoulded	field attachable	receptacles	overmoulded	field attachable	receptacles	overmoulded	field attachable	receptacles
Coding	axial			axial			axial	axial	axial	angled	axial	
Configuration	1, 2			1, 2, 3			1, 2, 3				1, 2, 3, 4, 5, 6	
No. of poles data	2,4			0, 2, 4			0, 2, 4				2, 4	
No. of poles power	2			2+PE, 3+PE, 4+PE, 3+PE+2			4+PE, 3+ PE+2, 6+PE				4+PE	
Current rating data contacts	4 A @ 40 ° C 1,5 A @ 40 ° C (B-Seite RJ45)											
Current rating power contacts	8 A @ 40 ° C			20 A @ 40 ° C (2,5 mm <sup>2</sup> ) 12-16 A @ 40 ° C (1,5 mm <sup>2</sup> )			26 A @ 40 ° C (4 mm <sup>2</sup> ) 16-20 A @ 40 ° C (2,5 mm <sup>2</sup> )				64 A @ 40 ° C	
Rated voltage data contacts	50 V AC/ DC											
Rated voltage power contacts	50 V AC/ DC			300 V AC/ DC (2,5 mm <sup>2</sup> ) 600 V AC/ DC (1,5 mm <sup>2</sup> )			600 V AC/ DC (2,5 mm <sup>2</sup> / 4 mm <sup>2</sup> )				600 V AC/ DC	



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