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Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13

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Тверь (4822)63-31-35  
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Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
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Уфа (347)229-48-12  
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Единый адрес: [ccn@nt-rt.ru](mailto:ccn@nt-rt.ru) | <http://www.conec.nt-rt.ru>

## CONEC SUPERCON HYBRID CONNECTORS

# CONEC<sup>®</sup>

## TECHNOLOGY IN CONNECTORS<sup>™</sup>





## TECHNOLOGY IN CONNECTORS™

Industry 4.0, the current trend of increasing automation and data exchange in manufacturing environments, has resulted in new demands on electronic connectors.

More data, being transferred at faster speeds, and the need for high reliability in sometimes harsh environments, has forced the development of new connectors.

CONEC's nearly 40 years of experience positions us to be a world leader in these interconnect products.

CONEC is a global player with its own subsidiaries and/or production facilities in Canada, United States, China, Czech Republic, Poland, France and UK.

At our headquarters in Lippstadt, CONEC has a large Research and Development Department, its own tooling shop, a CNC precision turnery and a plastic injection moulding plant.

CONEC Germany, Lippstadt




CONEC Canada, Brampton



CONEC USA, Garner







In addition to a variety of connectors for all current standards, our particular strength is the development of customized solutions.

CONEC products are used in automation, telecommunications and energy technology, mechanical engineering, agriculture and medical technology, transportation and aviation industry.

Our synchronous production system „CONEC active“ is based on the principles of lean production and is the key to our sustained success.

In particular, we consider one of our strengths to be in the field of integrated moulding of components and assemblies.

To us, absolute customer orientation means: To deliver the right product at the right time, in the right quantity and the right quality to the right place.



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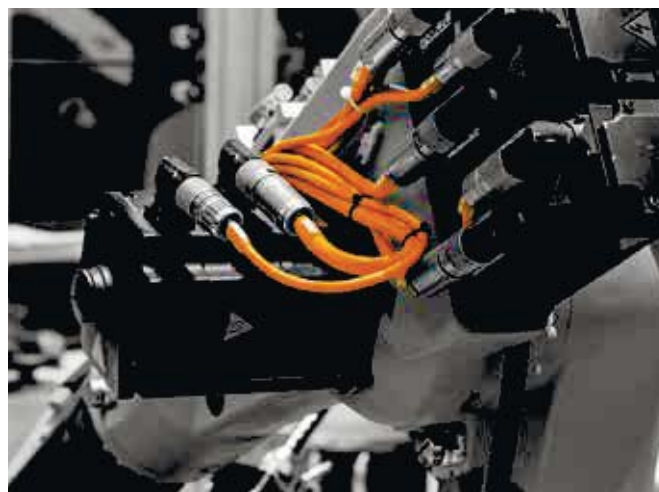
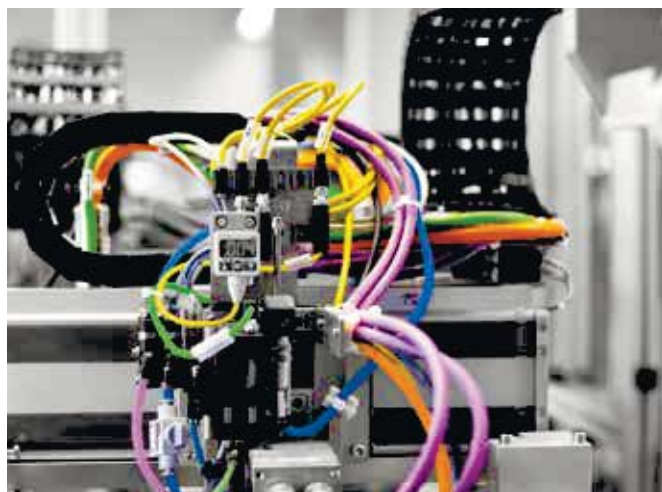
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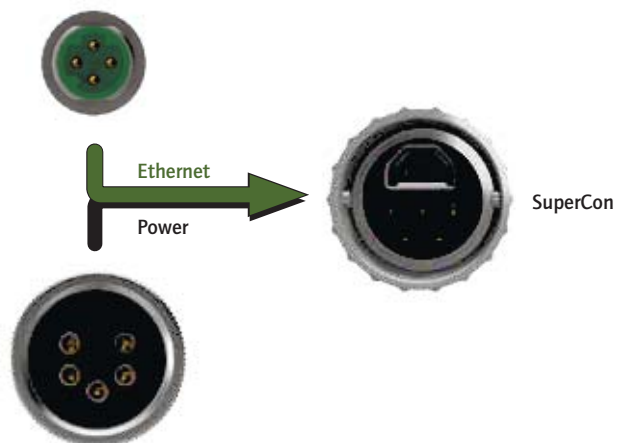
## CONEC SUPERCON HYBRID CONNECTORS

One single connector system for many different applications

Are you familiar with the problem of space caused by complex wiring?



We have the solution: CONEC SuperCon Hybrid connectors



Example



The CONEC SuperCon Hybrid connector series combines power supply and data transmission in one connector. Different sizes for various power classes from drives or devices offer maximum flexibility. Whether for small DC drives or powerful servo drives, CONEC SuperCon Hybrid connectors are the perfect solution.

## CONEC SUPERCON HYBRID CONNECTORS

One single connector system for many different applications

### Installation size and contact variants

Installation size B12



Installation size B17



Installation size B23



- Complete product range with different sizes: B12, B17 and B23
- Consistent data element for all sizes B12, B17 and B23
- Complete 360° shielding
- Different no. of power contacts for each size
  - 2 (size B12, 60 V)
  - 2 + PE (size B17, 250 V)
  - 2 + PE (size B17, 600 V)
  - 3 + PE (size B17, 600 V)
  - 4 + PE (size B17, B23, 600 V)
  - 2 + 3 + PE (size B23, 600 V)

### SuperCon Cable for size B12 and B17

Installation size B12



Installation size B17



Installation size B23



#### Cable design

- 2 x 0.75 mm<sup>2</sup> + (4 x 1 x AWG22)
- 3 G 1.5 mm<sup>2</sup> + (4 x 1 x AWG22)
- 3 G 2.5 mm<sup>2</sup> + (4 x 1 x AWG22)
- 5 G 1.5 mm<sup>2</sup> + (4 x 1 x AWG22)
- 5 G 4 mm<sup>2</sup> + (4 x 1 x AWG22)
- 2 G 2.5 mm<sup>2</sup> + 4 G 4 mm<sup>2</sup> + (4 x 1 x AWG22)
- Suitable for drag-chains
- Variants with outer shielding available on request

### Mechanical coding with visual color-marking

Coding 1



Coding 2



Coding 3



- Different angle positions of the contact carrier towards the bayonet locking allow several codings which are not pluggable with each other
- Each size is available with at least two codings
- The coding is indicated by colored rings

## CONEC SUPERCON HYBRID CONNECTORS

One single connector system for many different applications

### Overmoulded connectors B12, B17 and B23



- Pre-assembled moulded open end and connection cables in different standard lengths
- Electrically tested, also tested as to transmission properties according to IEC 11801
- Tamper-proof
- Quick and secure connection by bayonet locking

### Field attachable connectors B12, B17 and B23 easy installation because of poka-yoke



- Easy installation right inside the machine possible
- Cables specifically designed for these connectors allow easy installation of field attachable connectors.
- Quick and secure connection by bayonet locking

### Receptacles



Receptacles available in six different versions:

- Front panel mounting, short or long version
- Back panel mounting, short or long version
- Square receptacles, short or long version
- Quick and secure connection by bayonet locking



# CONEC SUPERCON HYBRID CONNECTORS OVERMOULDED

## Nomenclature

	ENP	-	17	-	1	-	R	K	Pst	4PE	Dbu	4	-	2	/	GAZ	/	150	/	034	/	A1002	
<b>Ethernet-Power</b> 100 MHz Cat5e																							
<b>Installation size</b> 12 = B12 17 = B17 23 = B23																							
<b>Shielding</b> = unshielded																							
<b>Coding</b> 1 = Coding 1 2 = Coding 2 3 = Coding 3																							
<b>Type</b> R = Circular connectors																							
<b>Gender</b> K = Female connector S = Male connector																							
<b>Configuration</b> = axial																							
<b>Type of power contacts</b> Pst = Power contacts male Pbu = Power contacts female																							
<b>No. of power contacts</b> 2 = 2-pos. (60 V) 2PE = 2-pos.+PE (600 V) 2PEA = 2-pos.+PE (250 V) 3PE = 3-pos.+PE (600 V) 4PE = 4-pos.+PE (600 V) 5PE = 2-pos.+3-pos.+PE (600 V)																							
<b>Type of data contacts</b> Dst = Data contacts male Dbu = Data contacts female																							
<b>No. of data contacts</b> 4 = 4-pos.																							
<b>Cable length</b> XX = Length [m]																							
<b>Cable quality</b> GAZ = PUR black																							
<b>Wire cross section power contact</b> 075 = 0.75 mm <sup>2</sup> 150 = 1.50 mm <sup>2</sup> 250 = 2.50 mm <sup>2</sup> 400 = 4.00 mm <sup>2</sup> 250 + 400 = 2.50 mm <sup>2</sup> + 4.00 mm <sup>2</sup>																							
<b>Wire cross section data contact</b> 034 = 0.34 mm <sup>2</sup>																							
<b>Color of overmould</b> A1002 = black																							



# CONEC SUPERCON HYBRID CONNECTORS OVERMOULDED

## Product specification

Basic material	
Contact	Copper alloy
Contact plating	Nickel plated, gold plated
Contact carrier	PA6, UL94
Overmould	TPU UL94, black
Sealing	NBR, FPM
Coupling nut/screw	GD-Zn, Ni
Shield sleeve	CuZn, Ni
Technical data	
Rated voltage power	Size B12: 60 V DC Size B17: 250 V (2PEA), 600 V (2PE, 3PE, 4PE)
Rated voltage data	24 V DC
Current rating power	Size B12: 10 A @ 30 °C Size B17: 20 A (2PEA), 14 A (2PE, 3PE, 4PE) @ 30 °C
Current rating data	3 A @ 30 °C
Degree of protection	IP67
Temperature range	-20 °C - +80 °C
Terminal cross section	Size B12: 0.75 mm <sup>2</sup> + AWG22 Size B17: 2.5 mm <sup>2</sup> + AWG22 (2PEA), 1.5 mm <sup>2</sup> + AWG22 (2PE, 3PE, 4PE)

# CONEC SUPERCON HYBRID CONNECTORS FIELD ATTACHABLE

## Nomenclature

	ENP	-	17	-	0	-	R	K	-	C	Pst	4PE	Dbu	4	/	150	/	034
<b>Ethernet-Power</b> 100 MHz Cat5e																		
<b>Installation size</b> 12 = B12 17 = B17 23 = B23																		
<b>Shielding</b> = unshielded																		
<b>Coding</b> 0 = Coding selectable during assembly																		
<b>Type</b> R = Circular connectors																		
<b>Gender</b> K = Female connector S = Male connector																		
<b>Configuration</b> = axial																		
<b>Configuration</b> C = field attachable																		
<b>Type of power contacts</b> Pst = Power contacts male Pbu = Power contacts female																		
<b>No. of power contacts</b> 2 = 2-pos. (60 V) 2PE = 2-pos.+PE (600 V) 2PEA = 2-pos.+PE (250 V) 3PE = 3-pos.+PE (600 V) 4PE = 4-pos.+PE (600 V) 5PE = 2-pos.+3-pos.+PE (600 V)																		
<b>Type of data contacts</b> Dst = Data contacts male Dbu = Data contacts female																		
<b>No. of data contacts</b> 4 = 4-pos.																		
<b>Wire cross section power contact</b> 075 = 0.75 mm <sup>2</sup> 150 = 1.50 mm <sup>2</sup> 250 = 2.50 mm <sup>2</sup> 400 = 4.00 mm <sup>2</sup> 250 + 400 = 2.50 mm <sup>2</sup> + 4.00 mm <sup>2</sup>																		
<b>Wire cross section data contacts</b> 034 = 0.34 mm <sup>2</sup>																		

# CONEC SUPERCON HYBRID CONNECTORS FIELD ATTACHABLE

## Product specification

Basic material	
Contact	Copper alloy
Contact plating	Nickel plated, gold plated
Contact carrier	PA6, UL94
Housing	CuZn, Ni
Cable sealing	NBR
Sealing	NBR, FPM
Coupling nut/screw	GD-Zn, Ni
Technical data	
Rated voltage power	Size B12: 60 V DC Size B17: 250 V (2PEA), 600 V (2PE, 3PE, 4PE)
Rated voltage data	24 V DC
Current rating power	Size B12: 10 A @ 30 °C Size B17: 20 A (2PEA), 14 A (2PE, 3PE, 4PE) @ 30 °C
Current rating data	3 A @ 30 °C
Degree of protection	IP67
Temperature range	-20 °C - +80 °C
Terminal cross section	Size B12: 0.75 mm <sup>2</sup> + AWG22 Size B17: 2.5 mm <sup>2</sup> + AWG22 (2PEA), 1.5 mm <sup>2</sup> + AWG22 (2PE, 3PE, 4PE)

# CONEC SUPERCON HYBRID RECEPTACLES

## Nomenclature

	ENP	-	17	-	1	-	F	K	H	Pst	4PE	Dst	4	-	1	/	1	/	G6	/	150	/	034
<b>Ethernet-Power</b> 100 MHz Cat5e																							
<b>Installation size</b> 12 = B12 17 = B17 23 = B23 45 = RJ45																							
<b>Shielding</b> = unshielded S = RJ45 shielded																							
<b>Coding</b> 1 = Coding 1 2 = Coding 2 3 = Coding 3																							
<b>Type</b> F = Receptacle																							
<b>Gender</b> K = Female connector S = Male connector																							
<b>Type of installation</b> = Front panel mounting H = Back panel mounting V = Square																							
<b>Type</b> 1 = Long housing 2 = Short housing																							
<b>Type of power contacts</b> Pst = Power contacts male Pbu = Power contacts female																							
<b>No. of power contacts</b> 2 = 2-pos. (60 V) 2PE = 2-pos.+PE (600 V) 2PEA = 2-pos.+PE (250 V) 3PE = 3-pos.+PE (600 V) 4PE = 4-pos.+PE (600 V) 5PE = 2-pos.+3-pos.+PE (600 V)																							
<b>Type of data contacts</b> Dst = Data contacts male Dbu = Data contacts female																							
<b>No. of data contacts</b> 4 = 4-pos. 8.33 = 8-pos. (RJ45)																							
<b>Wire length power</b> XX = Length [m]																							
<b>Cable length data</b> XX = Length [m]																							
<b>Cable quality</b> G6 = TPU, halogenfree, green, Cat5e, single wire quality ETFE																							
<b>Wire cross section power contact</b> 075 = 0.75 mm <sup>2</sup> 150 = 1.50 mm <sup>2</sup> 250 = 2.50 mm <sup>2</sup> 400 = 4.00 mm <sup>2</sup> 250 + 400 = 2.50 mm <sup>2</sup> + 4.00 mm <sup>2</sup>																							
<b>Wire cross section data contacts</b> 034 = 0.34 mm <sup>2</sup>																							



# CONEC SUPERCON HYBRID RECEPTACLES

## Product specification

Basic material	
Contact	Copper alloy
Contact plating	Nickel plated, gold plated
Contact carrier	PA6, UL94
Housing	CuZn, Ni
Sealing	NBR, FPM
Technical Data	
Rated voltage power	Size B12: 60 V DC Size B17: 250 V (2PEA), 600 V (2PE, 3PE, 4PE)
Rated voltage data	24 V DC
Current rating power	Size B12: 10 A @ 30 °C Size B17: 20 A (2PEA), 14 A (2PE, 3PE, 4PE) @ 30 °C
Current rating data	1.5 A @ 30 °C
Degree of protection	IP67
Temperature range	-20 °C - +80 °C
Terminal cross section	Size B12: 0.75 mm <sup>2</sup> + AWG22 Size B17: 2.5 mm <sup>2</sup> + AWG22 (2PEA), 1.5 mm <sup>2</sup> + AWG22 (2PE, 3PE, 4PE)
Wires	ETFE

## B12 HYBRID CONNECTORS OVERMOULDED

### Connecting cable, bayonet locking

**Female connector** Contacts: Power = female, Ethernet = male

**Female connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, for drag chain application

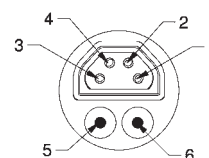
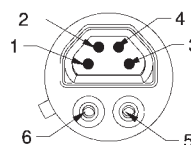
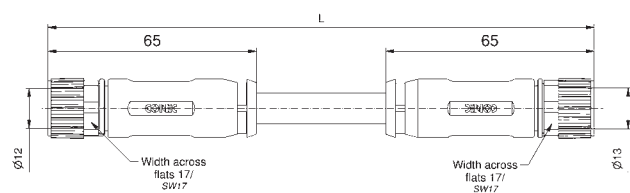
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, for drag chain application	Description	Part No.
2+4	2	0.75	ENP-12-1-RKPbu2Dst4-RKPst2D-bu4-2/GAZ/075/034/A1002	56-07524
2+4	5	0.75	ENP-12-1-RKPbu2Dst4-RKPst2D-bu4-5/GAZ/075/034/A1002	56-07525
2+4	10	0.75	ENP-12-1-RKPbu2Dst4-RKPst2D-bu4-10/GAZ/075/034/A1002	56-07526



#### Dimension

Contacts: Power = female, Ethernet = male

Contacts: Power = male, Ethernet = female



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts


Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding*	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	3 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

\*Additional coding upon request


## B12 HYBRID CONNECTORS FIELD ATTACHABLE

### Bayonet locking

Female connector *Contacts: Power = male, Ethernet = female*

	No. of poles	Wire cross section [mm <sup>2</sup> ]	Description	Part No.
	2+4	0.75	ENP-12-0-RKCPst2Dbu4/075/034	56-00009

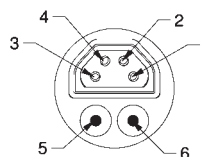
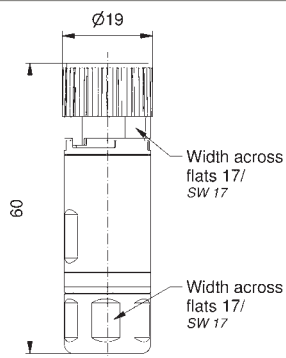
Female connector *Contacts: Power = female, Ethernet = male*

	2+4	0.75	ENP-12-0-RKCPbu2Dst4/075/034	56-00011
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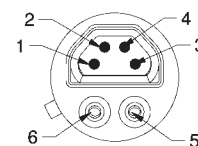
#### Dimension

Contacts: Power = male,  
Ethernet = female

Contacts: Power = female,  
Ethernet = male



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	3 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

**B12 HYBRID RECEPTACLES**  
Back panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version, back panel mounting

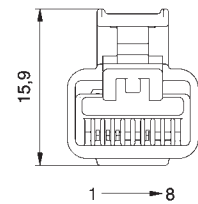
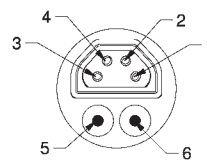
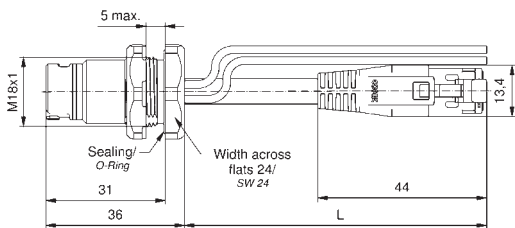
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSH1Pst2Dbu4-45S-RS8.33-0,5/0,5/G6/075/034	56-02024
2+4	1	0.75	ENP-12-1-FSH1Pst2Dbu4-45S-RS8.33-1/1/G6/075/034	56-02025
2+4	2	0.75	ENP-12-1-FSH1Pst2Dbu4-45S-RS8.33-2/2/G6/075/034	56-02026



**Dimension**

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22



## B12 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version, back panel mounting

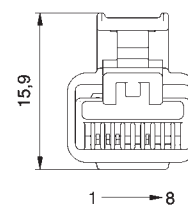
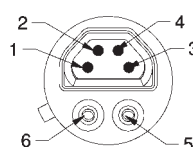
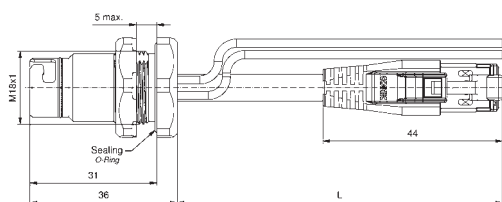
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSH1Pbu2Dst4-45S-RS8.33-0,5/0,5/G6/075/034	56-02030
2+4	1	0.75	ENP-12-1-FSH1Pbu2Dst4-45S-RS8.33-1/1/G6/075/034	56-02031
2+4	2	0.75	ENP-12-1-FSH1Pbu2Dst4-45S-RS8.33-2/2/G6/075/034	56-02032



### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version, back panel mounting

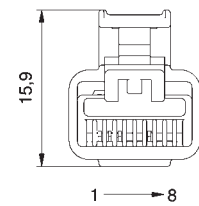
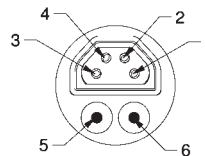
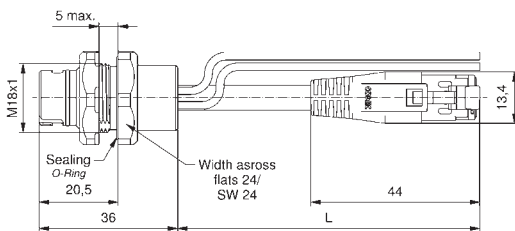
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSH2Pst2Dbu4-45S-RS8.33-0,5/0,5/G6/075/034	56-02060
2+4	1	0.75	ENP-12-1-FSH2Pst2Dbu4-45S-RS8.33-1/1/G6/075/034	56-02061
2+4	2	0.75	ENP-12-1-FSH2Pst2Dbu4-45S-RS8.33-2/2/G6/075/034	56-02062



### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version, back panel mounting

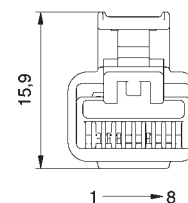
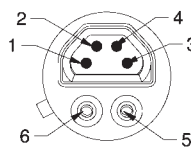
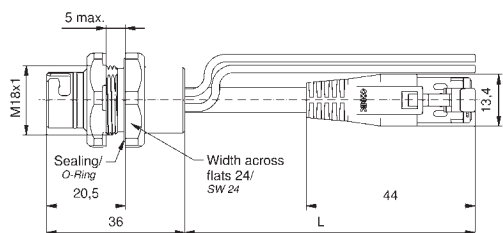
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSH2Pbu2Dst4-45S-RS8.33-0,5/0,5/G6/075/034	56-02066
2+4	1	0.75	ENP-12-1-FSH2Pbu2Dst4-45S-RS8.33-1/1/G6/075/034	56-02067
2+4	2	0.75	ENP-12-1-FSH2Pbu2Dst4-45S-RS8.33-2/2/G6/075/034	56-02068



### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

**B12 HYBRID RECEPTACLES**  
Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

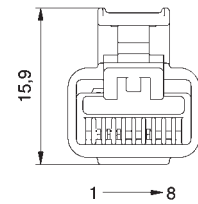
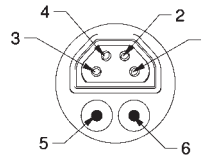
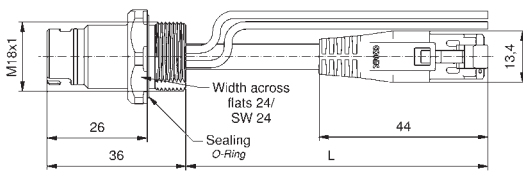


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FS1Pst2Dbu4-45S-RS8.33-0,5/0,5/G6/075/034	56-02096
2+4	1	0.75	ENP-12-1-FS1Pst2Dbu4-45S-RS8.33-1/1/G6/075/034	56-02097
2+4	2	0.75	ENP-12-1-FS1Pst2Dbu4-45S-RS8.33-2/2/G6/075/034	56-02098

**Dimension**

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22



## B12 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version, front panel mounting

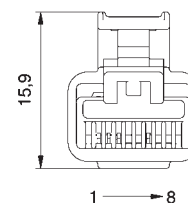
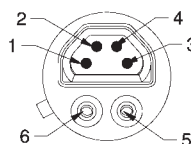
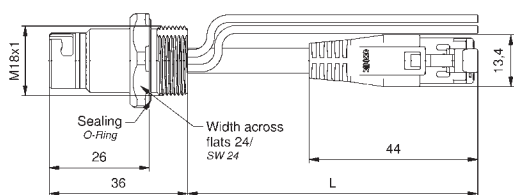
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FS1Pbu2Dst4-45S-RS8.33-0,5/0,5/G6/075/034	56-02102
2+4	1	0.75	ENP-12-1-FS1Pbu2Dst4-45S-RS8.33-1/1/G6/075/034	56-02103
2+4	2	0.75	ENP-12-1-FS1Pbu2Dst4-45S-RS8.33-2/2/G6/075/034	56-02104



### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

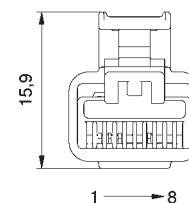
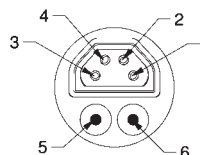
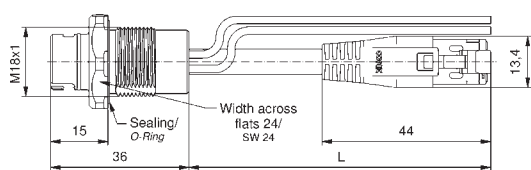


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FS2Pst2Dbu4-45S-RS8.33-0,5/0,5/G6/075/034	56-02132
2+4	1	0.75	ENP-12-1-FS2Pst2Dbu4-45S-RS8.33-1/1/G6/075/034	56-02133
2+4	2	0.75	ENP-12-1-FS2Pst2Dbu4-45S-RS8.33-2/2/G6/075/034	56-02134

#### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

Front panel mounting, wire termination

Male connector Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version, front panel mounting

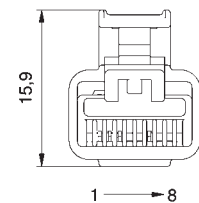
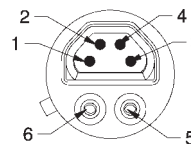
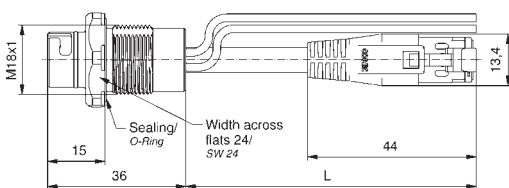
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FS2Pbu2Dst4-45S-RS8.33-0,5/0,5/G6/075/034	56-02138
2+4	1	0.75	ENP-12-1-FS2Pbu2Dst4-45S-RS8.33-1/1/G6/075/034	56-02139
2+4	2	0.75	ENP-12-1-FS2Pbu2Dst4-45S-RS8.33-2/2/G6/075/034	56-02140



### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

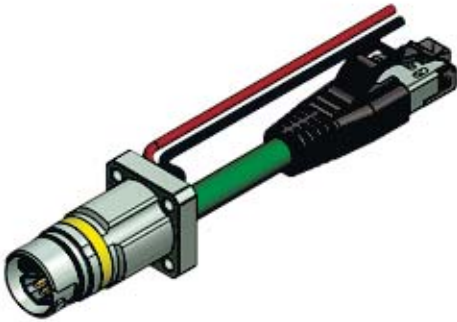
### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version square, front panel mounting, 4-hole drill pattern 14 mm

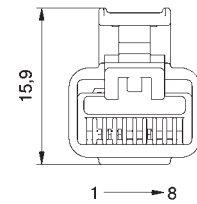
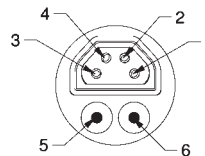
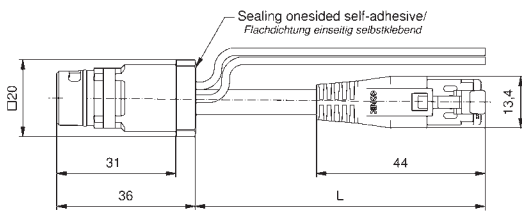
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSV1Pst2Dbu4-45S-RS8.33-0,5/0,5/G6/075/034	56-02168
2+4	1	0.75	ENP-12-1-FSV1Pst2Dbu4-45S-RS8.33-1/1/G6/075/034	56-02169
2+4	2	0.75	ENP-12-1-FSV1Pst2Dbu4-45S-RS8.33-2/2/G6/075/034	56-02170



### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

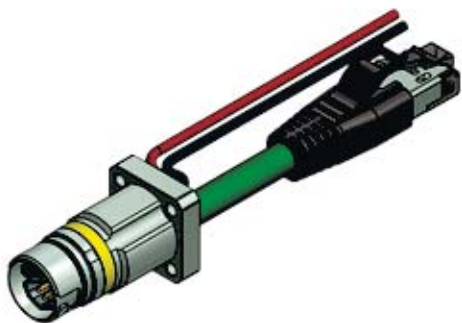
### Front panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version square, front panel mounting, 4-hole drill pattern 14 mm

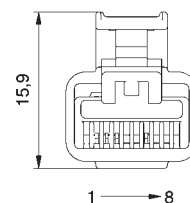
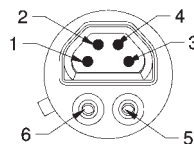
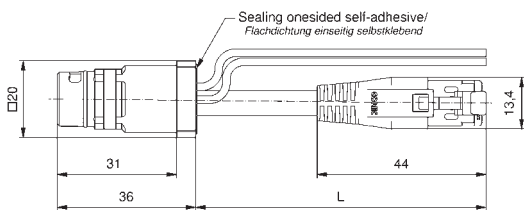
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSV1Pbu2Dst4-45S-RS8.33-0,5/0,5/G6/075/034	56-02174
2+4	1	0.75	ENP-12-1-FSV1Pbu2Dst4-45S-RS8.33-1/1/G6/075/034	56-02175
2+4	2	0.75	ENP-12-1-FSV1Pbu2Dst4-45S-RS8.33-2/2/G6/075/034	56-02176



### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B12 HYBRID RECEPTACLES

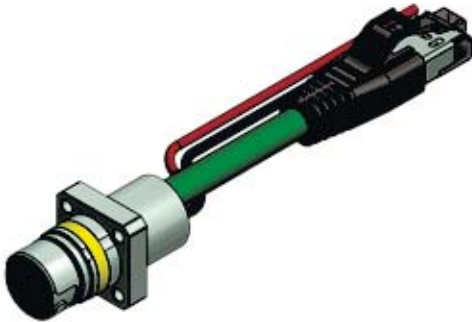
### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version square, front panel mounting, 4-hole drill pattern 14 mm

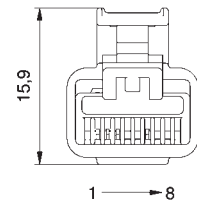
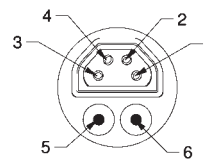
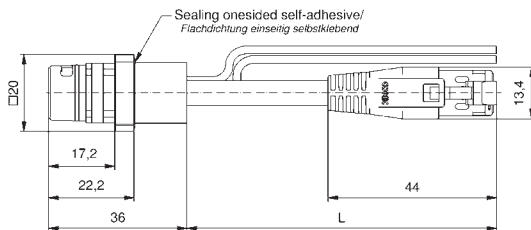
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSV2Pst2Dbu4-45S-RS8.33-0,5/0,5/G6/075/034	56-02204
2+4	1	0.75	ENP-12-1-FSV2Pst2Dbu4-45S-RS8.33-1/1/G6/075/034	56-02205
2+4	2	0.75	ENP-12-1-FSV2Pst2Dbu4-45S-RS8.33-2/2/G6/075/034	56-02206



### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22



## B12 HYBRID RECEPTACLES

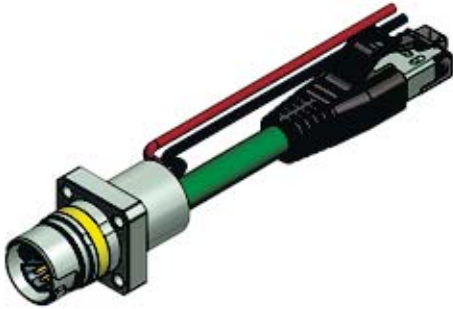
### Front panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version square, front panel mounting, 4-hole drill pattern 14 mm

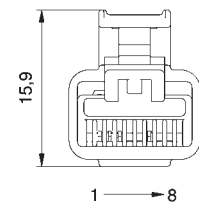
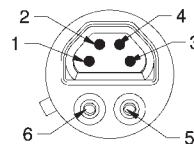
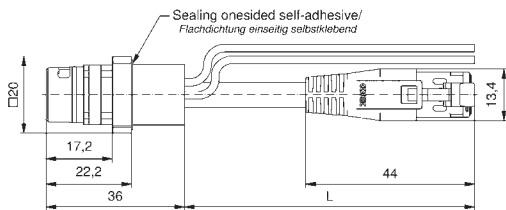
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
2+4	0.5	0.75	ENP-12-1-FSV2Pbu2Dst4-45S-RS8.33-0,5/0,5/G6/075/034	56-02210
2+4	1	0.75	ENP-12-1-FSV2Pbu2Dst4-45S-RS8.33-1/1/G6/075/034	56-02211
2+4	2	0.75	ENP-12-1-FSV2Pbu2Dst4-45S-RS8.33-2/2/G6/075/034	56-02212



### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-6: Power contacts

Technical Data	6-pos. (2 x 0.75 mm <sup>2</sup> + 4 x AWG22)
Installation size	B12
Coding	1
Data contacts	4
Power contacts	2
Locking	Bayonet
Current rating power	10 A @ 30 °C
Current rating data	1.5 A @ 30 °C
Rated voltage power	60 V DC
Rated voltage data	24 V DC
Wire cross section power	0.75 mm <sup>2</sup>
Wire cross section data	AWG22

## B17 HYBRID CONNECTORS OVERMOULDED

### Connecting cable, bayonet locking

**Female connector** Contacts: Power = female, Ethernet = male  
**Female connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, for drag chain application

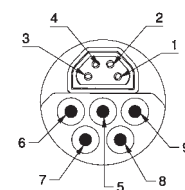
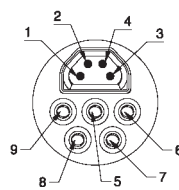
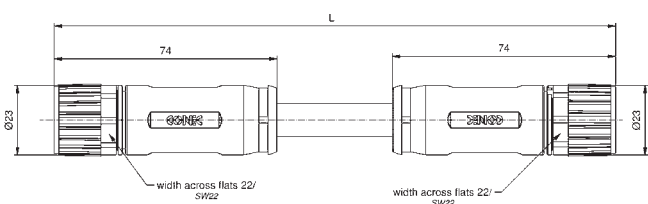


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, for drag chain application	Description	Part No.
3+4	2	1.5	ENP-17-1-RKPbu2PEDst4-RKPst2PED-bu4-2/GAZ/150/034/A1002	57-07644
3+4	5	1.5	ENP-17-1-RKPbu2PEDst4-RKPst2PED-bu4-5/GAZ/150/034/A1002	57-07645
3+4	10	1.5	ENP-17-1-RKPbu2PEDst4-RKPst2PED-bu4-10/GAZ/150/034/A1002	57-07646
3+4	2	2.5	ENP-17-1-RKPbu2PEADst4-RKPst2PED-bu4-2/GAZ/250/034/A1002	57-07653
3+4	5	2.5	ENP-17-1-RKPbu2PEADst4-RKPst2PED-bu4-5/GAZ/250/034/A1002	57-07654
3+4	10	2.5	ENP-17-1-RKPbu2PEADst4-RKPst2PED-bu4-10/GAZ/250/034/A1002	57-07655
4+4	2	1.5	ENP-17-1-RKPbu3PEDst4-RKPst2PED-bu4-2/GAZ/150/034/A1002	57-07662**
4+4	5	1.5	ENP-17-1-RKPbu3PEDst4-RKPst2PED-bu4-5/GAZ/150/034/A1002	57-07663**
4+4	10	1.5	ENP-17-1-RKPbu3PEDst4-RKPst2PED-bu4-10/GAZ/150/034/A1002	57-07664**
5+4	2	1.5	ENP-17-1-RKPbu4PEDst4-RKPst2PED-bu4-2/GAZ/150/034/A1002	57-07671
5+4	5	1.5	ENP-17-1-RKPbu4PEDst4-RKPst2PED-bu4-5/GAZ/150/034/A1002	57-07672
5+4	10	1.5	ENP-17-1-RKPbu4PEDst4-RKPst2PED-bu4-10/GAZ/150/034/A1002	57-07673

### Dimension

Contacts: Power = female, Ethernet = male

Contacts: Power = male, Ethernet = female



1-4: Data contacts (IEC 11801 Cat5e)  
 5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.** (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	3 A @ 30 °C	3 A @ 30 °C	3 A @ 30 °C	3 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*Additional coding upon request \*\*on request

## B17 HYBRID CONNECTORS FIELD ATTACHABLE

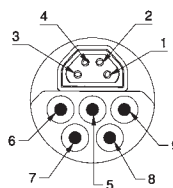
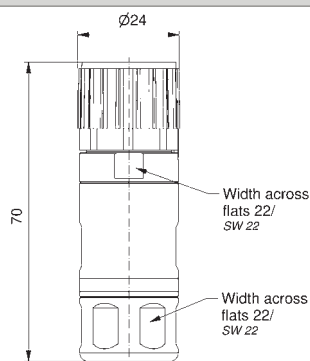
### Bayonet locking

Female connector Contacts: Power = male, Ethernet = female

	No. of poles	Wire cross section [mm <sup>2</sup> ]	Description	
			Description	Part No.
	3+4	1.5	ENP-17-0-RKCPst2PED-bu4/150/034	57-00017
	3+4	2.5	ENP-17-0-RKCPst2PEAD-bu4/250/034	57-00018
	4+4	1.5	ENP-17-0-RKCPst3PED-bu4/150/034	57-00019*
	5+4	1.5	ENP-17-0-RKCPst4PED-bu4/150/034	57-00020

### Dimension

Contacts: Power = male,  
Ethernet = female



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	2+PE	2+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	3 A @ 30 °C	3 A @ 30 °C	3 A @ 30 °C	3 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID CONNECTORS FIELD ATTACHABLE Bayonet locking

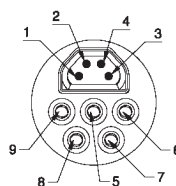
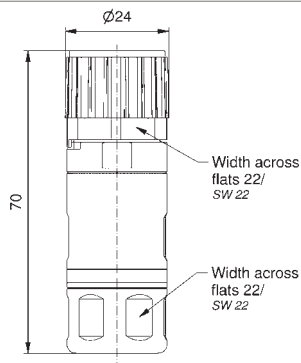
Female connector Contacts: Power = female, Ethernet = male



	No. of poles	Wire cross section [mm <sup>2</sup> ]	Description	Part No.
	3+4	2.5	ENP-17-0-RKCPbu-2PEDst4/150/034	57-00021
	3+4	1.5	ENP-17-0-RKCPbu-2PEADst4/250/034	57-00022
	4+4	1.5	ENP-17-0-RKCPbu-2PEDst4/150/034	57-00023*
	5+4	1.5	ENP-17-0-RKCPbu-2PEDst4/150/034	57-00024

### Dimension

Contacts: Power = female,  
Ethernet = male



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	3+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	3 A @ 30 °C	3 A @ 30 °C	3 A @ 30 °C	3 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

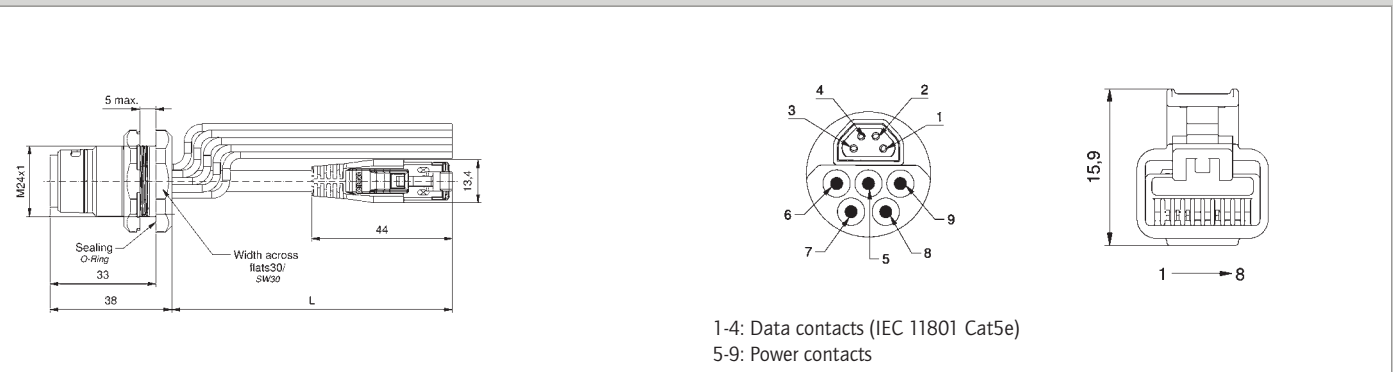


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Flange housing long version, back panel mounting	Description	Part No.
3+4	0.5	1.5		ENP-17-1-FSH1Pst2PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02144
3+4	1	1.5		ENP-17-1-FSH1Pst2PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02145
3+4	2	1.5		ENP-17-1-FSH1Pst2PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02146
3+4	0.5	2.5		ENP-17-1-FSH1Pst2PEADbu4-45S-RS8.33-0,5/0,5/G6/250/034	57-02153
3+4	1	2.5		ENP-17-1-FSH1Pst2PEADbu4-45S-RS8.33-1/1/G6/250/034	57-02154
3+4	2	2.5		ENP-17-1-FSH1Pst2PEADbu4-45S-RS8.33-2/2/G6/250/034	57-02155
4+4	0.5	1.5		ENP-17-1-FSH1Pst3PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02162*
4+4	1	1.5		ENP-17-1-FSH1Pst3PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02163*
4+4	2	1.5		ENP-17-1-FSH1Pst3PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02164*
5+4	0.5	1.5		ENP-17-1-FSH1Pst4PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02171
5+4	1	1.5		ENP-17-1-FSH1Pst4PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02172
5+4	2	1.5		ENP-17-1-FSH1Pst4PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02173

### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version, back panel mounting

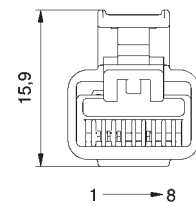
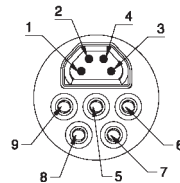
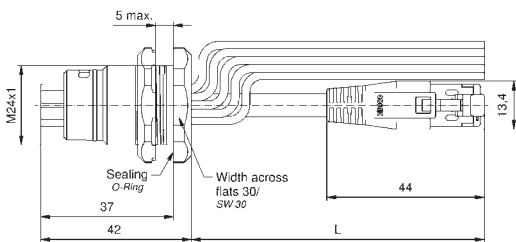


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FSH1Pbu2PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02180
3+4	1	1.5	ENP-17-1-FSH1Pbu2PEDst4-45S-RS8.33-1/1/G6/150/034	57-02181
3+4	2	1.5	ENP-17-1-FSH1Pbu2PEDst4-45S-RS8.33-2/2/G6/150/034	57-02182
3+4	0.5	2.5	ENP-17-1-FSH1Pbu2PEADst4-45S-RS8.33-0,5/0,5/G6/250/034	57-02189
3+4	1	2.5	ENP-17-1-FSH1Pbu2PEADst4-45S-RS8.33-1/1/G6/250/034	57-02190
3+4	2	2.5	ENP-17-1-FSH1Pbu2PEADst4-45S-RS8.33-2/2/G6/250/034	57-02191
4+4	0.5	1.5	ENP-17-1-FSH1Pbu3PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02198*
4+4	1	1.5	ENP-17-1-FSH1Pbu3PEDst4-45S-RS8.33-1/1/G6/150/034	57-02199*
4+4	2	1.5	ENP-17-1-FSH1Pbu3PEDst4-45S-RS8.33-2/2/G6/150/034	57-02200*
5+4	0.5	1.5	ENP-17-1-FSH1Pbu4PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02207
5+4	1	1.5	ENP-17-1-FSH1Pbu4PEDst4-45S-RS8.33-1/1/G6/150/034	57-02208
5+4	2	1.5	ENP-17-1-FSH1Pbu4PEDst4-45S-RS8.33-2/2/G6/150/034	57-02209

### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request



## B17 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

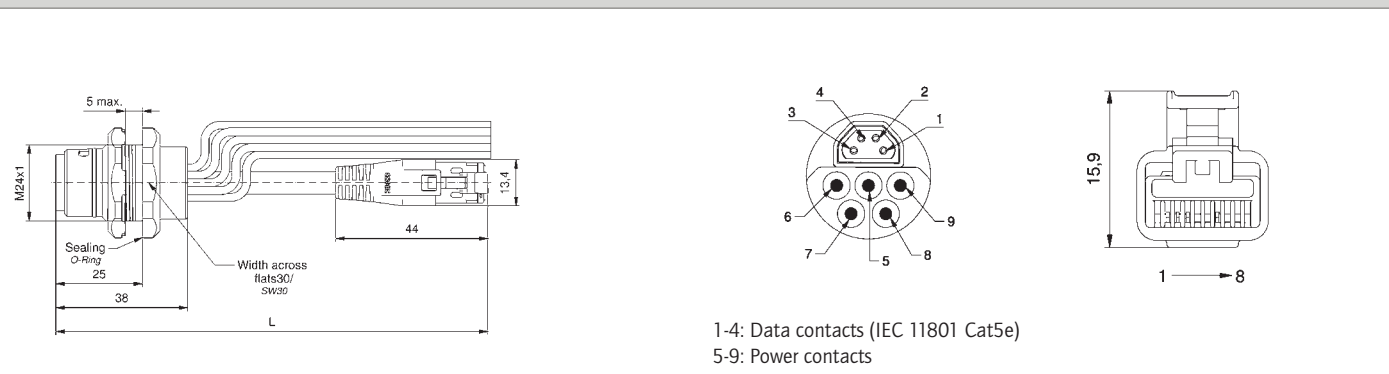


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Flange housing short version, back panel mounting	Description	Part No.
3+4	0.5	1.5		ENP-17-1-FSH2Pst2PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02360
3+4	1	1.5		ENP-17-1-FSH2Pst2PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02361
3+4	2	1.5		ENP-17-1-FSH2Pst2PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02362
3+4	0.5	2.5		ENP-17-1-FSH2Pst2PEADbu4-45S-RS8.33-0,5/0,5/G6/250/034	57-02369
3+4	1	2.5		ENP-17-1-FSH2Pst2PEADbu4-45S-RS8.33-1/1/G6/250/034	57-02370
3+4	2	2.5		ENP-17-1-FSH2Pst2PEADbu4-45S-RS8.33-2/2/G6/250/034	57-02371
4+4	0.5	1.5		ENP-17-1-FSH2Pst3PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02378*
4+4	1	1.5		ENP-17-1-FSH2Pst3PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02379*
4+4	2	1.5		ENP-17-1-FSH2Pst3PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02380*
5+4	0.5	1.5		ENP-17-1-FSH2Pst4PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02387
5+4	1	1.5		ENP-17-1-FSH2Pst4PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02388
5+4	2	1.5		ENP-17-1-FSH2Pst4PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02389

### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Back panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version, back panel mounting

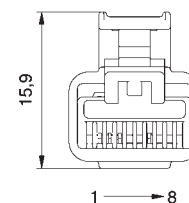
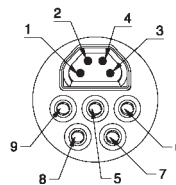
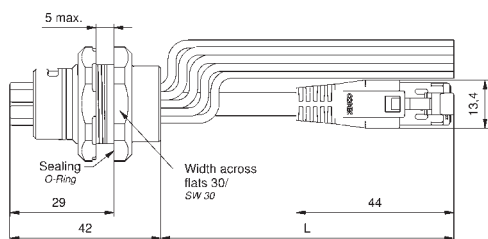


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FSH2Pbu2PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02396
3+4	1	1.5	ENP-17-1-FSH2Pbu2PEDst4-45S-RS8.33-1/1/G6/150/034	57-02397
3+4	2	1.5	ENP-17-1-FSH2Pbu2PEDst4-45S-RS8.33-2/2/G6/150/034	57-02398
3+4	0.5	2.5	ENP-17-1-FSH2Pbu2PEADst4-45S-RS8.33-0,5/0,5/G6/250/034	57-02405
3+4	1	2.5	ENP-17-1-FSH2Pbu2PEADst4-45S-RS8.33-1/1/G6/250/034	57-02406
3+4	2	2.5	ENP-17-1-FSH2Pbu2PEADst4-45S-RS8.33-2/2/G6/250/034	57-02407
4+4	0.5	1.5	ENP-17-1-FSH2Pbu3PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02414*
4+4	1	1.5	ENP-17-1-FSH2Pbu3PEDst4-45S-RS8.33-1/1/G6/150/034	57-02415*
4+4	2	1.5	ENP-17-1-FSH2Pbu3PEDst4-45S-RS8.33-2/2/G6/150/034	57-02416*
5+4	0.5	1.5	ENP-17-1-FSH2Pbu4PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02423
5+4	1	1.5	ENP-17-1-FSH2Pbu4PEDst4-45S-RS8.33-1/1/G6/150/034	57-02424
5+4	2	1.5	ENP-17-1-FSH2Pbu4PEDst4-45S-RS8.33-2/2/G6/150/034	57-02425

### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4x AWG22)	7-pos. (3 x 1.5 mm <sup>2</sup> + 4x AWG22)
Installation size	B17	B17	B17	B17	B17
Coding	1	1	1	1	1
Data contacts	4	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE	2+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

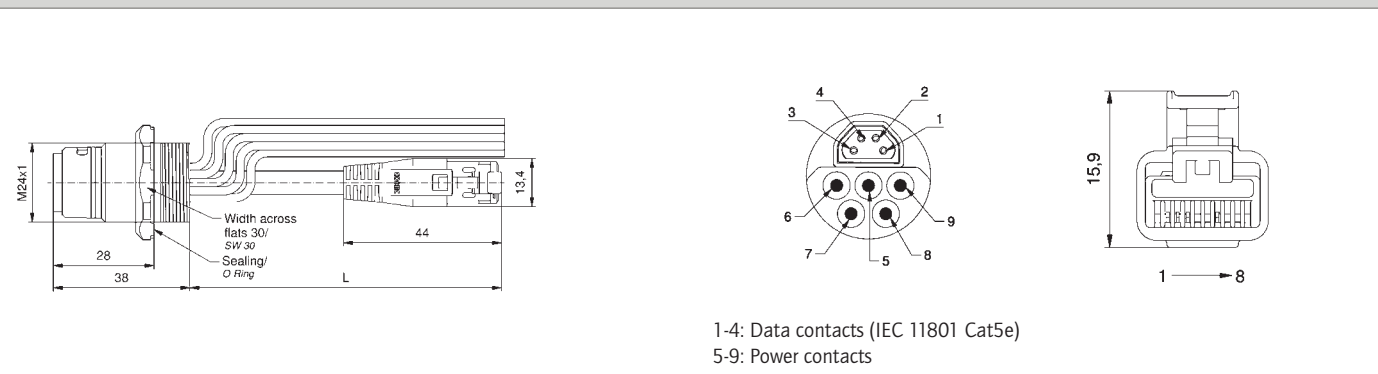


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Flange housing long version, front panel mounting	Description	Part No.
3+4	0.5	1.5		ENP-17-1-FS1Pst2PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02576
3+4	1	1.5		ENP-17-1-FS1Pst2PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02577
3+4	2	1.5		ENP-17-1-FS1Pst2PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02578
3+4	0.5	2.5		ENP-17-1-FS1Pst2PEADbu4-45S-RS8.33-0,5/0,5/G6/250/034	57-02585
3+4	1	2.5		ENP-17-1-FS1Pst2PEADbu4-45S-RS8.33-1/1/G6/250/034	57-02586
3+4	2	2.5		ENP-17-1-FS1Pst2PEADbu4-45S-RS8.33-2/2/G6/250/034	57-02587
4+4	0.5	1.5		ENP-17-1-FS1Pst3PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02594*
4+4	1	1.5		ENP-17-1-FS1Pst3PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02595*
4+4	2	1.5		ENP-17-1-FS1Pst3PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02596*
5+4	0.5	1.5		ENP-17-1-FS1Pst4PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02603
5+4	1	1.5		ENP-17-1-FS1Pst4PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02604
5+4	2	1.5		ENP-17-1-FS1Pst4PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02605

### Dimension

Contacts: Power = male, Ethernet = female

RJ45



Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

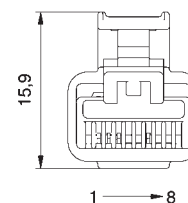
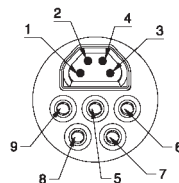
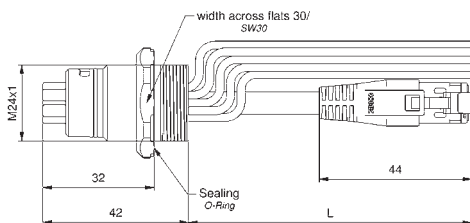


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FS1Pbu2PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02612
3+4	1	1.5	ENP-17-1-FS1Pbu2PEDst4-45S-RS8.33-1/1/G6/150/034	57-02613
3+4	2	1.5	ENP-17-1-FS1Pbu2PEDst4-45S-RS8.33-2/2/G6/150/034	57-02614
3+4	0.5	2.5	ENP-17-1-FS1Pbu2PEADst4-45S-RS8.33-0,5/0,5/G6/250/034	57-02621
3+4	1	2.5	ENP-17-1-FS1Pbu2PEADst4-45S-RS8.33-1/1/G6/250/034	57-02622
3+4	2	2.5	ENP-17-1-FS1Pbu2PEADst4-45S-RS8.33-2/2/G6/250/034	57-02623
4+4	0.5	1.5	ENP-17-1-FS1Pbu3PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02630*
4+4	1	1.5	ENP-17-1-FS1Pbu3PEDst4-45S-RS8.33-1/1/G6/150/034	57-02631*
4+4	2	1.5	ENP-17-1-FS1Pbu3PEDst4-45S-RS8.33-2/2/G6/150/034	57-02632*
5+4	0.5	1.5	ENP-17-1-FS1Pbu4PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02639
5+4	1	1.5	ENP-17-1-FS1Pbu4PEDst4-45S-RS8.33-1/1/G6/150/034	57-02640
5+4	2	1.5	ENP-17-1-FS1Pbu4PEDst4-45S-RS8.33-2/2/G6/150/034	57-02641

### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

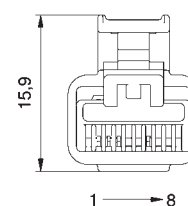
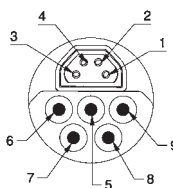
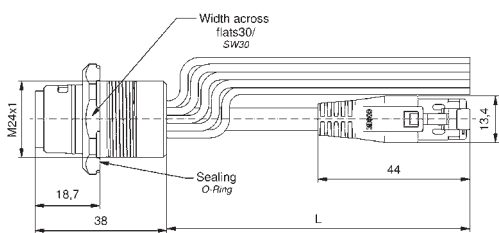


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FS2Pst2PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02792
3+4	1	1.5	ENP-17-1-FS2Pst2PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02793
3+4	2	1.5	ENP-17-1-FS2Pst2PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02794
3+4	0.5	2.5	ENP-17-1-FS2Pst2PEADbu4-45S-RS8.33-0,5/0,5/G6/250/034	57-02801
3+4	1	2.5	ENP-17-1-FS2Pst2PEADbu4-45S-RS8.33-1/1/G6/250/034	57-02802
3+4	2	2.5	ENP-17-1-FS2Pst2PEADbu4-45S-RS8.33-2/2/G6/250/034	57-02803
4+4	0.5	1.5	ENP-17-1-FS2Pst3PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02810*
4+4	1	1.5	ENP-17-1-FS2Pst3PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02811*
4+4	2	1.5	ENP-17-1-FS2Pst3PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02812*
5+4	0.5	1.5	ENP-17-1-FS2Pst4PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-02819
5+4	1	1.5	ENP-17-1-FS2Pst4PEDbu4-45S-RS8.33-1/1/G6/150/034	57-02820
5+4	2	1.5	ENP-17-1-FS2Pst4PEDbu4-45S-RS8.33-2/2/G6/150/034	57-02821

### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

Male connector Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

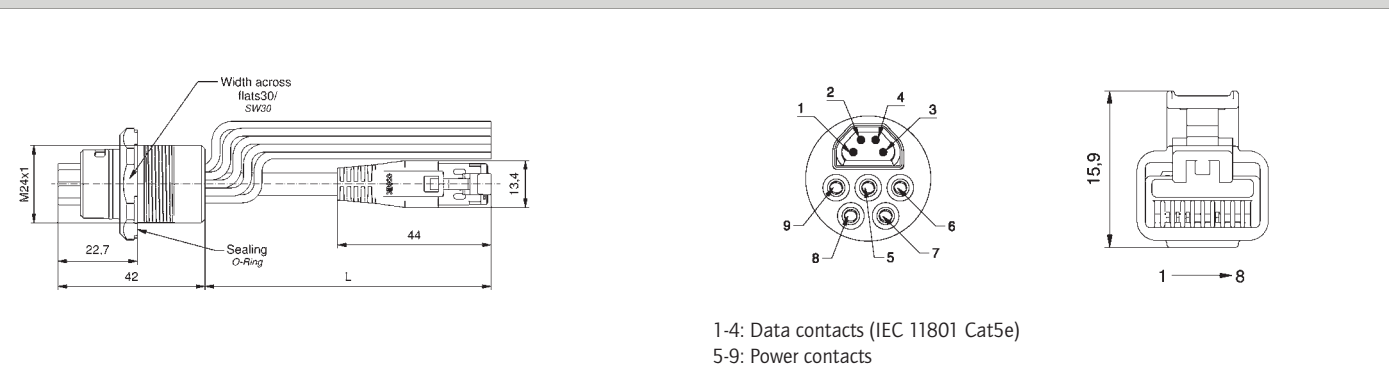


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FS2Pbu2PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02828
3+4	1	1.5	ENP-17-1-FS2Pbu2PEDst4-45S-RS8.33-1/1/G6/150/034	57-02829
3+4	2	1.5	ENP-17-1-FS2Pbu2PEDst4-45S-RS8.33-2/2/G6/150/034	57-02830
3+4	0.5	2.5	ENP-17-1-FS2Pbu2PEADst4-45S-RS8.33-0,5/0,5/G6/250/034	57-02837
3+4	1	2.5	ENP-17-1-FS2Pbu2PEADst4-45S-RS8.33-1/1/G6/250/034	57-02838
3+4	2	2.5	ENP-17-1-FS2Pbu2PEADst4-45S-RS8.33-2/2/G6/250/034	57-02839
4+4	0.5	1.5	ENP-17-1-FS2Pbu3PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02846*
4+4	1	1.5	ENP-17-1-FS2Pbu3PEDst4-45S-RS8.33-1/1/G6/150/034	57-02847*
4+4	2	1.5	ENP-17-1-FS2Pbu3PEDst4-45S-RS8.33-2/2/G6/150/034	57-02848*
5+4	0.5	1.5	ENP-17-1-FS2Pbu4PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-02855
5+4	1	1.5	ENP-17-1-FS2Pbu4PEDst4-45S-RS8.33-1/1/G6/150/034	57-02856
5+4	2	1.5	ENP-17-1-FS2Pbu4PEDst4-45S-RS8.33-2/2/G6/150/034	57-02857

### Dimension

Contacts: Power = female, Ethernet = male

RJ45



Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

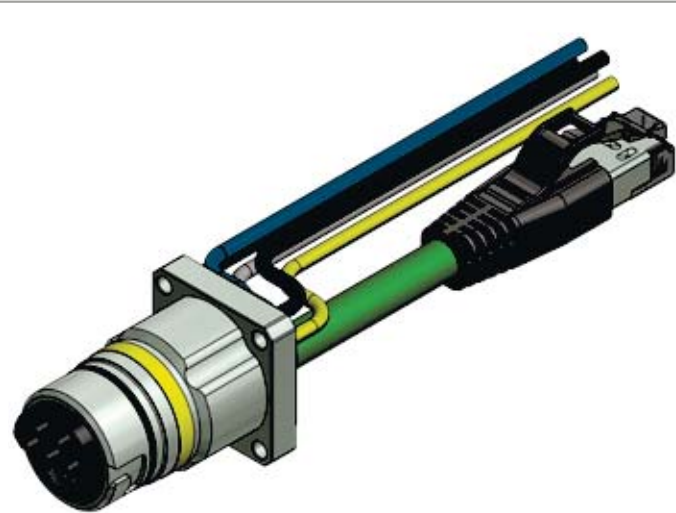


## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire



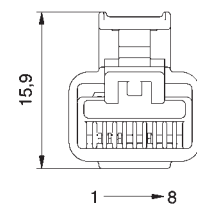
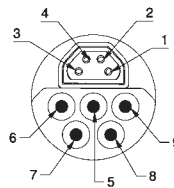
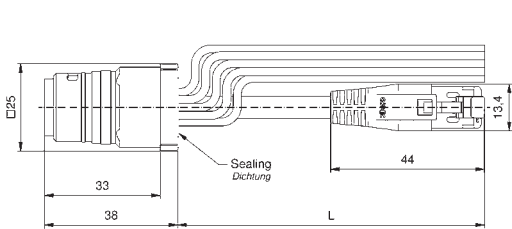
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FSV1 Pst2PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-03008
3+4	1	1.5	ENP-17-1-FSV1 Pst2PEDbu4-45S-RS8.33-1/1/G6/150/034	57-03009
3+4	2	1.5	ENP-17-1-FSV1 Pst2PEDbu4-45S-RS8.33-2/2/G6/150/034	57-03010
3+4	0.5	2.5	ENP-17-1-FSV1 Pst2PEADbu4-45S-RS8.33-0,5/0,5/G6/250/034	57-03017
3+4	1	2.5	ENP-17-1-FSV1 Pst2PEADbu4-45S-RS8.33-1/1/G6/250/034	57-03018
3+4	2	2.5	ENP-17-1-FSV1 Pst2PEADbu4-45S-RS8.33-2/2/G6/250/034	57-03019
4+4	0.5	1.5	ENP-17-1-FSV1 Pst3PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-03026*
4+4	1	1.5	ENP-17-1-FSV1 Pst3PEDbu4-45S-RS8.33-1/1/G6/150/034	57-03027*
4+4	2	1.5	ENP-17-1-FSV1 Pst3PEDbu4-45S-RS8.33-2/2/G6/150/034	57-03028*
5+4	0.5	1.5	ENP-17-1-FSV1 Pst4PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034	57-03035
5+4	1	1.5	ENP-17-1-FSV1 Pst4PEDbu4-45S-RS8.33-1/1/G6/150/034	57-03036
5+4	2	1.5	ENP-17-1-FSV1 Pst4PEDbu4-45S-RS8.33-2/2/G6/150/034	57-03037

Flange housing long version square, front panel mounting, 4-hole drill pattern 19,8 mm

### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

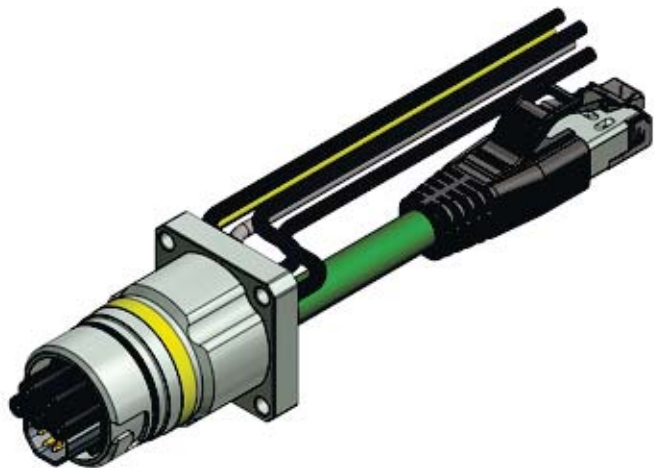
## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

Male connector Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing long version square, front panel mounting, 4-hole drill pattern 19,8 mm

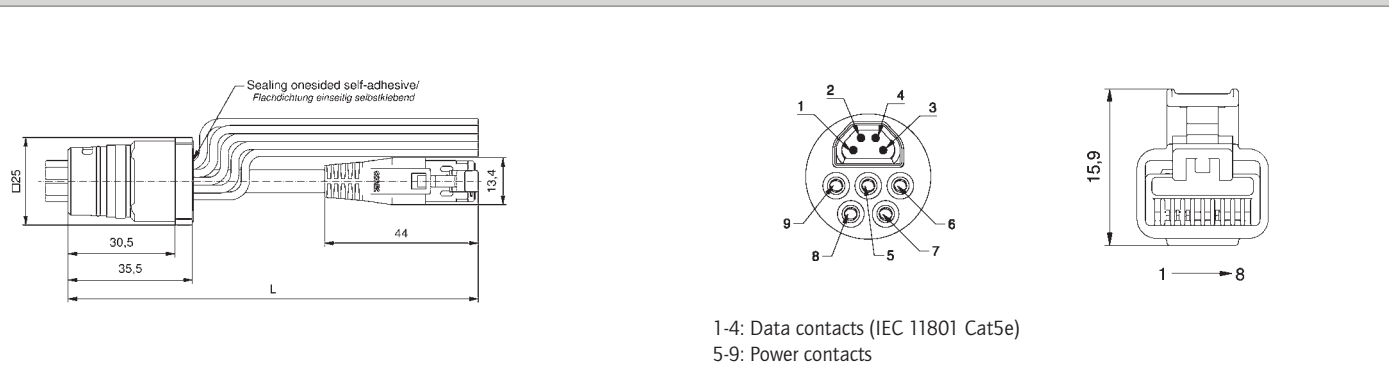


No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FSV1Pbu2PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-03044
3+4	1	1.5	ENP-17-1-FSV1Pbu2PEDst4-45S-RS8.33-1/1/G6/150/034	57-03045
3+4	2	1.5	ENP-17-1-FSV1Pbu2PEDst4-45S-RS8.33-2/2/G6/150/034	57-03046
3+4	0.5	2.5	ENP-17-1-FSV1Pbu2PEADst4-45S-RS8.33-0,5/0,5/G6/250/034	57-03053
3+4	1	2.5	ENP-17-1-FSV1Pbu2PEADst4-45S-RS8.33-1/1/G6/250/034	57-03054
3+4	2	2.5	ENP-17-1-FSV1Pbu2PEADst4-45S-RS8.33-2/2/G6/250/034	57-03055
4+4	0.5	1.5	ENP-17-1-FSV1Pbu3PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-03062*
4+4	1	1.5	ENP-17-1-FSV1Pbu3PEDst4-45S-RS8.33-1/1/G6/150/034	57-03063*
4+4	2	1.5	ENP-17-1-FSV1Pbu3PEDst4-45S-RS8.33-2/2/G6/150/034	57-03064*
5+4	0.5	1.5	ENP-17-1-FSV1Pbu4PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-03071
5+4	1	1.5	ENP-17-1-FSV1Pbu4PEDst4-45S-RS8.33-1/1/G6/150/034	57-03072
5+4	2	1.5	ENP-17-1-FSV1Pbu4PEDst4-45S-RS8.33-2/2/G6/150/034	57-03073

### Dimension

Contacts: Power = female, Ethernet = male

RJ45



Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = male, Ethernet = female

TPU, UL, halogenfree, green, Cat5e + ETFE wire

Flange housing short version square, front panel mounting, 4-hole drill pattern 19,8 mm

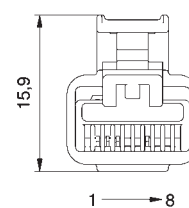
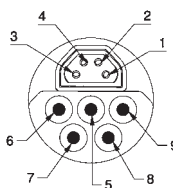
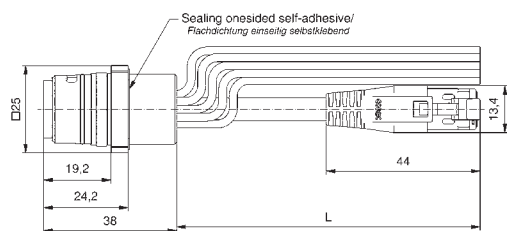
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description		Part No.
3+4	0.5	1.5	ENP-17-1-FSV2Pst2PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034		57-03224
3+4	1	1.5	ENP-17-1-FSV2Pst2PEDbu4-45S-RS8.33-1/1/G6/150/034		57-03225
3+4	2	1.5	ENP-17-1-FSV2Pst2PEDbu4-45S-RS8.33-2/2/G6/150/034		57-03226
3+4	0.5	2.5	ENP-17-1-FSV2Pst2PEADbu4-45S-RS8.33-0,5/0,5/G6/250/034		57-03233
3+4	1	2.5	ENP-17-1-FSV2Pst2PEADbu4-45S-RS8.33-1/1/G6/250/034		57-03234
3+4	2	2.5	ENP-17-1-FSV2Pst2PEADbu4-45S-RS8.33-2/2/G6/250/034		57-03235
4+4	0.5	1.5	ENP-17-1-FSV2Pst3PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034		57-03242*
4+4	1	1.5	ENP-17-1-FSV2Pst3PEDbu4-45S-RS8.33-1/1/G6/150/034		57-03243*
4+4	2	1.5	ENP-17-1-FSV2Pst3PEDbu4-45S-RS8.33-2/2/G6/150/034		57-03244*
5+4	0.5	1.5	ENP-17-1-FSV2Pst4PEDbu4-45S-RS8.33-0,5/0,5/G6/150/034		57-03251
5+4	1	1.5	ENP-17-1-FSV2Pst4PEDbu4-45S-RS8.33-1/1/G6/150/034		57-03252
5+4	2	1.5	ENP-17-1-FSV2Pst4PEDbu4-45S-RS8.33-2/2/G6/150/034		57-03253



### Dimension

Contacts: Power = male, Ethernet = female

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

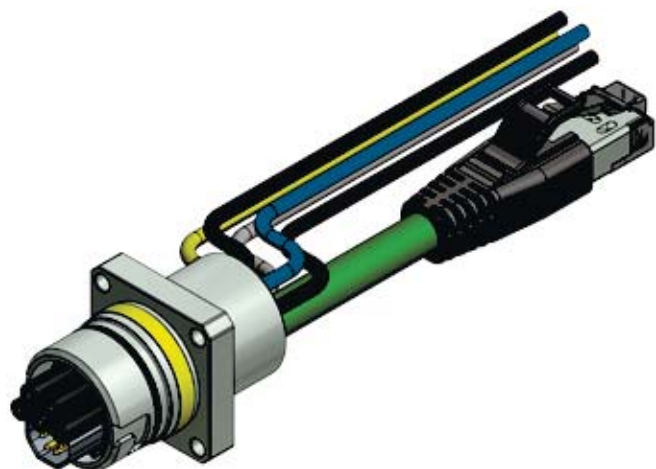
\*on request

## B17 HYBRID RECEPTACLES

### Front panel mounting, wire termination

**Male connector** Contacts: Power = female, Ethernet = male

TPU, UL, halogenfree, green, Cat5e + ETFE wire



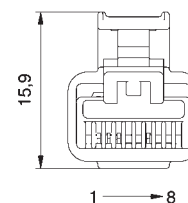
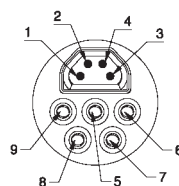
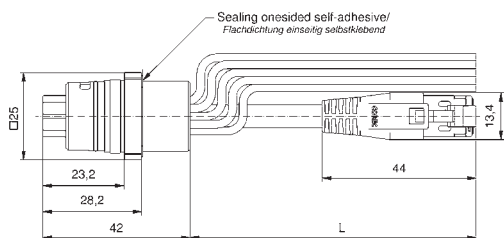
No. of poles	Cable length = L [m]	TPU, UL, halogenfree, green, Cat5e + PVC wire	Description	Part No.
3+4	0.5	1.5	ENP-17-1-FSV2Pbu2PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-03260
3+4	1	1.5	ENP-17-1-FSV2Pbu2PEDst4-45S-RS8.33-1/1/G6/150/034	57-03261
3+4	2	1.5	ENP-17-1-FSV2Pbu2PEDst4-45S-RS8.33-2/2/G6/150/034	57-03262
3+4	0.5	2.5	ENP-17-1-FSV2Pbu2PEADst4-45S-RS8.33-0,5/0,5/G6/250/034	57-03269
3+4	1	2.5	ENP-17-1-FSV2Pbu2PEADst4-45S-RS8.33-1/1/G6/250/034	57-03270
3+4	2	2.5	ENP-17-1-FSV2Pbu2PEADst4-45S-RS8.33-2/2/G6/250/034	57-03271
4+4	0.5	1.5	ENP-17-1-FSV2Pbu3PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-03278*
4+4	1	1.5	ENP-17-1-FSV2Pbu3PEDst4-45S-RS8.33-1/1/G6/150/034	57-03279*
4+4	2	1.5	ENP-17-1-FSV2Pbu3PEDst4-45S-RS8.33-2/2/G6/150/034	57-03280*
5+4	0.5	1.5	ENP-17-1-FSV2Pbu4PEDst4-45S-RS8.33-0,5/0,5/G6/150/034	57-03287
5+4	1	1.5	ENP-17-1-FSV2Pbu4PEDst4-45S-RS8.33-1/1/G6/150/034	57-03288
5+4	2	1.5	ENP-17-1-FSV2Pbu4PEDst4-45S-RS8.33-2/2/G6/150/034	57-03289

Flange housing short version square, front panel mounting, 4-hole drill pattern 19,8 mm

### Dimension

Contacts: Power = female, Ethernet = male

RJ45



1-4: Data contacts (IEC 11801 Cat5e)  
5-9: Power contacts

Technical Data	7-pos. (3 x 1.5 mm <sup>2</sup> + 4 x AWG22)	7-pos. (3 x 2.5 mm <sup>2</sup> + 4 x AWG22)	8-pos.* (4 x 1.5 mm <sup>2</sup> + 4 x AWG22)	9-pos. (5 x 1.5 mm <sup>2</sup> + 4 x AWG22)
Installation size	B17	B17	B17	B17
Coding	1	1	1	1
Data contacts	4	4	4	4
Power contacts	2+PE	2+PE	3+PE	4+PE
Locking	Bayonet	Bayonet	Bayonet	Bayonet
Current rating power	14 A @ 30 °C	20 A @ 30 °C	14 A @ 30 °C	14 A @ 30 °C
Current rating data	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 AC/DC	250 AC/DC	600 AC/DC	600 AC/DC
Rated voltage data	24 V DC	24 V DC	24 V DC	24 V DC
Wire cross section power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Wire cross section data	AWG22	AWG22	AWG22	AWG22

\*on request

## B23 HYBRID CONNECTORS

### Preview

### Overview



### Characteristics

- Separately shielded data element for Industrial Ethernet connections according to IE C11801 Cat5e, as known from the SuperCon sizes B12 and B17
- Available as overmoulded and field attachable version and receptacles with a different number of housings
- All versions available with a wire cross section of 4 mm<sup>2</sup> (version 4+PE), thus perfectly suitable for applications with high power consumption
- Bayonet fast locking for quick and secure connections

Characteristics	Connector overmoulded	Connector field attachable	Receptacles
Coding	1, 2, 3	1, 2, 3	1, 2, 3
Female	✓	✓	
Male			✓
Shielding	✓	✓	✓
No. of poles data transmission	4		
No. of poles power	4-PE, 2 + 3+PE		
Current rating power	32 A @ 30 °C (4+PE) 32 A + 20 A @ 30 °C (2+ 3+PE)		
Current rating data	3 A @ 30 °C	3 A @ 30 °C	1.5 A @ 30 °C
Rated voltage power	600 V		
Rated voltage data	24 V DC		
Cable quality	TPU		
Bayonet locking	✓	✓	✓
Degree of protection (in mated condition)	IP67		



# ACCESSORIES







## ACCESSORIES

### Tools

Hand crimp tool	Suitable contacts	Part No.
	Suitable for: M8 P-coding field-attachable Data contacts B12/B17/B23 Power contacts B12/B17	36-000640
Insert for hand crimp tool		
	Suitable for: M8 P-coding field-attachable Data contacts B12/B17/B23 Power contacts B12/B17	36-000610

## ACCESSORIES




### Hybrid cables

GAZ= Hybrid cable, halogenfree, for drag chain applications

	Wire cross section power	Wire cross section data	Number of wires power	Number of wires data	Color cable jacket	Wire colors power	Wire colors data	Datasheet No.
	0.75 mm <sup>2</sup>	AWG22	2	4	black	RD - BU - OR - BU	WT - YE - OR - BU	781-GAZ010H
	1.5 mm <sup>2</sup>	AWG22	3	4	black	BN - BU - GN/ YE	WT - YE - OR - BU	781-GAZ011H
	2.5 mm <sup>2</sup>	AWG22	3	4	black	BN - BU - GN/ YE	WT - YE - OR - BU	781-GAZ012H
	1.5 mm <sup>2</sup>	AWG22	4	4	black	BN - BK - GY - GN/ YE	WT - YE - OR - BU	781-GAZ013H
	1.5 mm <sup>2</sup>	AWG22	5	4	black	BN - BU - GY - BK - GN/ YE	WT - YE - OR - BU	781-GAZ014H

## ACCESSORIES



### Color coding

Connectors overmoulded/Panel mount connectors male, square housing	Size	Color	Part No.
	B12	yellow	56-99000
	B12	green	56-99001
	B17	yellow	57-99000
	B17	green	57-99001
	B17	orange	57-99002
Connectors field attachable			
	B12	yellow	56-99002
	B12	green	56-99003
	B17	yellow	57-99003
	B17	green	57-99004
	B17	orange	57-99005
Panel mount connector male, front- and back panel mounting			
	B12	yellow	56-99004
	B12	green	56-99005
	B17	yellow	57-99006
	B17	green	57-99007
	B17	orange	57-99008

## ACCESSORIES

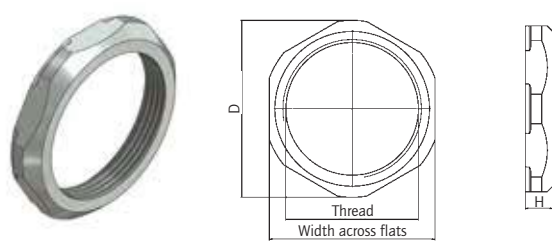
### Protection caps

#### Receptacle male

		Size B12	Size B17	Material protection cap	Degree of protection	Color	Part No.
		✓		PA	IP67	black	56-99006
			✓	PA	IP67	black	57-99010
<b>Female connector (overmoulded, field attachable)</b>							
		✓		PA	IP67	black	56-99008
			✓	PA	IP67	black	57-99012

## ACCESSORIES

### Hex nut

		Size B12	Size B17	Thread	Width across flats	Outer $\varnothing = D$ [mm]	Height = H [mm]	Material	Description	Part No.
		✓		M18x1	SW24	26	5	CuZn, Ni		56-99010
			✓		M24x1	SW30	32	5	CuZn, Ni	

## PART NUMBER INDEX

### Numeric

Part number	Page	Part number	Page	Part number	Page	Part number	Page
36-000610	46	57-00024	30	57-02604	35	57-03071	40
36-000640	46	57-02144	31	57-02605	35	57-03072	40
56-00009	15	57-02145	31	57-02612	36	57-03073	40
56-00011	15	57-02146	31	57-02613	36	57-03224	41
56-02024	16	57-02153	31	57-02614	36	57-03225	41
56-02025	16	57-02154	31	57-02621	36	57-03226	41
56-02026	16	57-02155	31	57-02622	36	57-03233	41
56-02030	17	57-02162	31	57-02623	36	57-03234	41
56-02031	17	57-02163	31	57-02630	36	57-03235	41
56-02032	17	57-02164	31	57-02631	36	57-03242	41
56-02060	18	57-02171	31	57-02632	36	57-03243	41
56-02061	18	57-02172	31	57-02639	36	57-03244	41
56-02062	18	57-02173	31	57-02640	36	57-03251	41
56-02066	19	57-02180	32	57-02641	36	57-03252	41
56-02067	19	57-02181	32	57-02792	37	57-03253	41
56-02068	19	57-02182	32	57-02793	37	57-03260	42
56-02096	20	57-02189	32	57-02794	37	57-03261	42
56-02097	20	57-02190	32	57-02801	37	57-03262	42
56-02098	20	57-02191	32	57-02802	37	57-03269	42
56-02102	21	57-02198	32	57-02803	37	57-03270	42
56-02103	21	57-02199	32	57-02810	37	57-03271	42
56-02104	21	57-02200	32	57-02811	37	57-03278	42
56-02132	22	57-02207	32	57-02812	37	57-03279	42
56-02133	22	57-02208	32	57-02819	37	57-03280	42
56-02134	22	57-02209	32	57-02820	37	57-03287	42
56-02138	23	57-02360	33	57-02821	37	57-03288	42
56-02139	23	57-02361	33	57-02828	38	57-03289	42
56-02140	23	57-02362	33	57-02829	38	57-07644	28
56-02168	24	57-02369	33	57-02830	38	57-07645	28
56-02169	24	57-02370	33	57-02837	38	57-07646	28
56-02170	24	57-02371	33	57-02838	38	57-07653	28
56-02174	25	57-02378	33	57-02839	38	57-07654	28
56-02175	25	57-02379	33	57-02846	38	57-07655	28
56-02176	25	57-02380	33	57-02847	38	57-07662	28
56-02204	26	57-02387	33	57-02848	38	57-07663	28
56-02205	26	57-02388	33	57-02855	38	57-07664	28
56-02206	26	57-02389	33	57-02856	38	57-07671	28
56-02210	27	57-02396	34	57-02857	38	57-07672	28
56-02211	27	57-02397	34	57-03008	39	57-07673	28
56-02212	27	57-02398	34	57-03009	39	57-99000	47
56-07524	14	57-02405	34	57-03010	39	57-99001	47
56-07525	14	57-02406	34	57-03017	39	57-99002	47
56-07526	14	57-02407	34	57-03018	39	57-99003	47
56-99000	47	57-02414	34	57-03019	39	57-99004	47
56-99001	47	57-02415	34	57-03026	39	57-99005	47
56-99002	47	57-02416	34	57-03027	39	57-99006	47
56-99003	47	57-02423	34	57-03028	39	57-99007	47
56-99004	47	57-02424	34	57-03035	39	57-99008	47
56-99005	47	57-02425	34	57-03036	39	57-99010	48
56-99006	48	57-02576	35	57-03037	39	57-99012	48
56-99008	48	57-02577	35	57-03044	40	57-99014	48
56-99010	48	57-02578	35	57-03045	40	781-GAZ010H	46
57-00017	29	57-02585	35	57-03046	40	781-GAZ011H	46
57-00018	29	57-02586	35	57-03053	40	781-GAZ012H	46
57-00019	29	57-02587	35	57-03054	40	781-GAZ013H	46
57-00020	29	57-02594	35	57-03055	40	781-GAZ014H	46
57-00021	30	57-02595	35	57-03062	40		
57-00022	30	57-02596	35	57-03063	40		
57-00023	30	57-02603	35	57-03064	40		

# ADDITIONAL PRODUCT CATEGORIES \_\_\_\_\_









## ADDITIONAL CONEC PRODUCT CATEGORIES

### Circular connectors overmoulded



#### Details

- Size: M8x1, M12x1, 7/8", Rund24
- Coding: A, B, C, D, L, P, S, T, X
- Number of poles: 3, 4, 5, 6, 8, 12, 2+PE, 3+PE, 4+FE, 4+PE, 6+PE
- Configuration: axial or angled, shielded or unshielded
- Optional with LED
- Termination: screw-, snap-, screw-/snap-termination
- Degree of protection: IP67

#### Benefits

- Robust design with minimum space requirements
- Mating can be controlled with torque wrench
- Vibration proof screw lock
- Application-related cable qualities

### Circular connectors field attachable



#### Details

- Size: M8x1, M12x1, 7/8", Rund24
- Coding: A, B, D, P, X
- Number of poles: 3, 4, 5, 8, 2+PE, 3+PE, 4+PE, 6+PE
- Configuration: axial or angled, shielded or unshielded
- Termination: solder-, clamp-, screw-, crimp termination
- Degree of protection: IP67

#### Benefits

- Mating can be controlled with torque wrench (M8, M12)
- Easy field attachable without special tools
- M12x1 cable cross section 1.5 mm<sup>2</sup>
- Vibration proof screw lock

## ADDITIONAL CONEC PRODUCT CATEGORIES

### Sockets



#### Details

- Size: M8x1, M12x1, 7/8"
- Coding: A, B, D, L, P, S, T, X
- Number of poles: 3, 4, 5, 6, 8, 12, 2+PE, 3+PE, 4+FE, 4+PE
- Male socket, female socket
- Configuration: axial or angled
- Degree of protection: IP67
- Field attachable crimp version
- Assembly: Protection cap

#### Benefits

- Front and back panel mounting
- Colored contact insulators to avoid wrong plugging
- High number of poles with minimum space requirements
- Direct circuit board mounting
- Protection of unused interfaces

### Sockets SMT/THR



#### Details

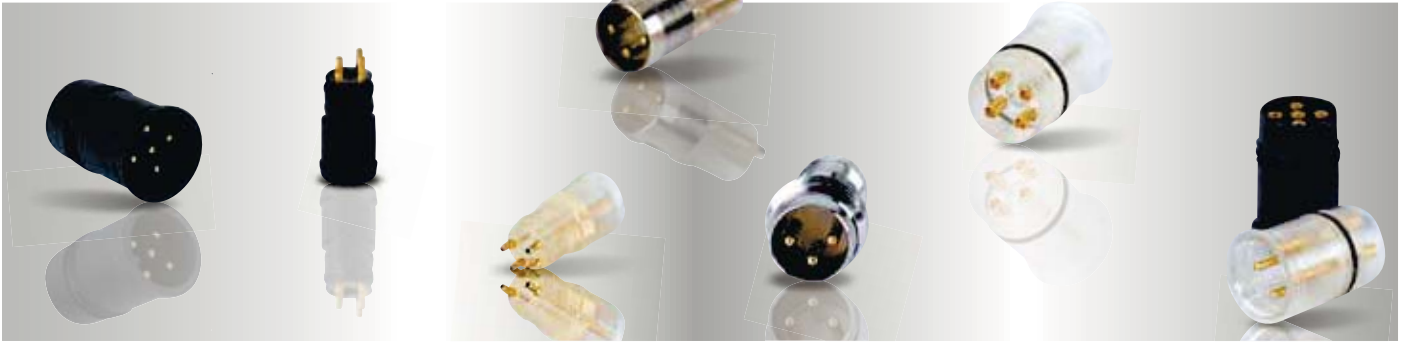
- Size: M8x1 SMT/THR, M12x1 SMT
- Coding: A, B, D, X
- Number of poles: 3, 4, 5, 8
- Male socket, female socket
- Configuration: axial or angled, shielded or unshielded
- Degree of protection: IP67

#### Benefits

- Front and back panel mounting
- Automated assembly (SMT)
- High number of poles with minimum space requirements
- Low forces on the board
- Low contact resistance on the shielding
- Large tolerance compensation between board and housing

## ADDITIONAL CONEC PRODUCT CATEGORIES

### Panel plugs



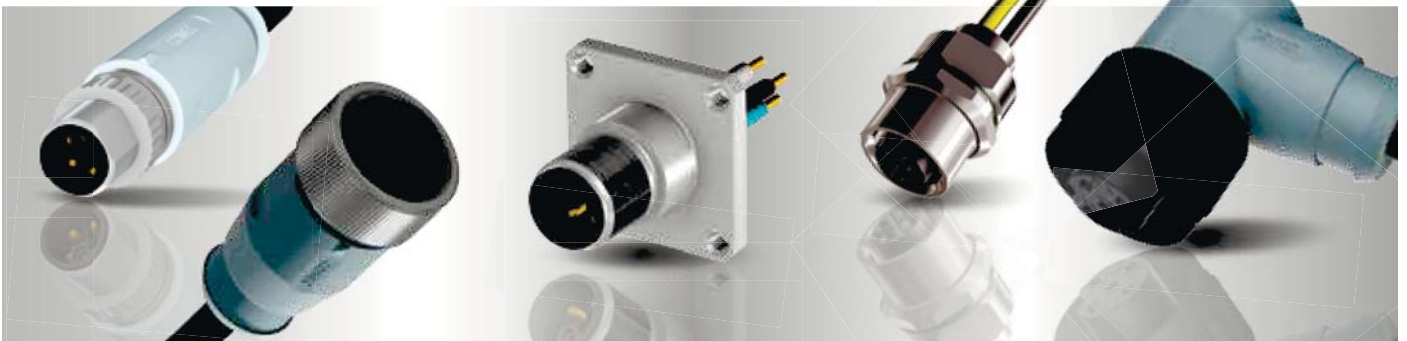
#### Details

- Size: M8x1, M12x1
- Coding: A
- Number of poles: 3, 4, 5, 8
- With LED preparation
- Configuration: axial
- Housing configuration: plastic, metal, metal/plastic transparent
- Termination: solder-, print termination
- Degree of protection: IP67

#### Benefits

- Easy installation in housing by pushing in
- Low installation height
- Various connection possibilities

### Power connectors



#### Details

- Size: M12x1, 7/8", Rund24
- Coding: L, S, T
- Number of poles: 3, 4, 2+PE, 3+PE, 4+PE, 4+FE, 6+PE
- Configuration: axial or angled
- Degree of protection: IP67

#### Benefits

- Transmission of high currents on minimum space requirements
- Different codings
- Mating can be controlled with torque wrench
- Defined tightening torque
- Polarity reversal prevented with coded insulators

## ADDITIONAL CONEC PRODUCT CATEGORIES

### High Temperature/Food & Beverage connectors



#### Details

- Size: M8x1, M12x1
- Coding: A
- Number of poles: 3, 4, 5
- Female connector, male connector
- Optional with LED
- Temperature-resistant up to 125 °C (HT)
- Degree of protection: IP65 (HT), IP67, IP69K (F&B)

#### Benefits

- Resistance to commercial aggressive cleaning agents
- Robust design with minimum space requirements
- Mating can be controlled with torque wrench
- Vibration proof screw lock
- Use in constantly high ambient temperatures

### Connectors for BUS-Systems



#### Details

- Size: M8x1, M12x1, 7/8", RJ45
- Coding: A, B, D, P, X
- Number of poles: 4, 5, 8
- Profibus DP
- DeviceNet
- Industrial Ethernet 100 MHz
- EtherCAT P
- 10 Gigabit Ethernet
- Configuration: axial or angled

#### Benefits

- Robust design with minimum space requirements
- Vibration proof screw lock
- Application-related coloring of cables and contact insulators

## ADDITIONAL CONEC PRODUCT CATEGORIES

### Junction systems



#### Details

- Size: M8x1, M12x1, 7/8"
- Number of poles: 3, 4, 5, 8, 4+PE
- 1:1 wiring
- Signal distribution
- Degree of protection: IP67
- Assembly: retaining clip, protection caps

#### Benefits

- Robust design with minimum space requirements
- Signals and power are transmitted by standardized plug systems
- Back-to-back assembly with retaining clip
- Protection of unused interfaces

### IP67 Power Bayonet



#### Details

- No. of poles: 2, 2+PE
- Receptacle male and female
- Cable connector male and female
- Degree of protection: IP67

#### Benefits

- Use in harsh environments
- Easy and secure locking by bayonet lock
- Cable to cable connection available
- High current carrying capability



## ADDITIONAL CONEC PRODUCT CATEGORIES

### IP67 Mini USB, USB 2.0, USB 3.0 connectors



#### Details

- Type: USB 3.0 Type A
- Type: USB 2.0 Type A, Mini USB Type A
- Housing: plastic, plastic metallized, zinc die-cast
- Locking: bayonet, M28
- Termination: soldering, PCB
- Adapters
- Degree of protection: IP20 (patch cord), IP67

#### Benefits

- Use in harsh environments
- Easy and secure locking by bayonet lock
- Front- and back panel mounting
- UV resistant material
- USB Memory Stick 2 GB integrated into protection cap
- Light-weight versions ideal for portable devices

### IP67 RJ45 Industrial Ethernet connectors



#### Details

- Housing: plastic, plastic metallized, zinc die-cast
- Locking: bayonet, M28
- Termination: soldering, IDC, screw
- UTP Cat 5e, STP Cat 5e, S/STP Cat 6A
- Degree of protection: IP20 (patch cord) IP67

#### Benefits

- Use in harsh environments
- Easy and secure locking by bayonet lock
- Front- and back panel mounting
- UV resistant material for outdoor use
- Light-weight versions
- Colored interface encoding available

## ADDITIONAL CONEC PRODUCT CATEGORIES

### IP67 Fiber Optic LC Duplex



#### Details

- Housing: plastic, plastic metallized, zinc die-cast
- Locking: bayonet
- Single Mode, Multi Mode, APC Single Mode
- Front- and back panel mounting
- Degree of protection: IP67

#### Benefits

- Use in harsh environments
- Easy and secure locking by bayonet lock
- Extended temperature range
- Interference-free safe data transmission
- Cost efficiency by integrated IP67 protection

### D-SUB Steckverbinder Standard/High Density/Combination



#### Details

- Shell: steel tin plated, brass tin plated, stainless steel
- Termination: solder pin straight/angled, press-fit straight, solder cup, wire wrap, crimp
- Quality class: up to quality class 1

#### Benefits

- One interface for power, RF and control signals
- Space saving
- Cost saving – all in one connectors
- Low magnetic versions
- Customer-specific solutions possible
- Quick and easy locking and unlocking (SnapLock)



## ADDITIONAL CONEC PRODUCT CATEGORIES

### D-SUB filter standard/high density/combo



#### Details

- Shell: steel tin plated, brass tin plated
- Termination: solder pin, solder cup
- Filter type: C-Filter, LC-Filter, Pi-Filter
- High DWV

#### Benefits

- Filtering directly at interface
- Can be used without PCB Redesign
- Filter-adapter for retrofitting existing systems
- Up to 3-step low-pass filters
- Selective filtering
- Mixed capacitance
- Low magnetic versions
- Space saving on PCB

### D-SUB hoods



#### Details

- Shell size: 1-5
- Shell: plastic, plastic metallized, metal
- Cable entry: straight, lateral, multiple
- CONEC SnapLock version

#### Benefits

- Large space for combination D-SUB
- Screw latching or slide locking
- Quick and easy locking (CONEC SnapLock)
- Touch protection of termination side
- For round and flat ribbon cables

## ADDITIONAL CONEC PRODUCT CATEGORIES

### IP67 D-SUB connectors standard/ high density/combo



#### Details

- Shell: brass tin plated, stainless steel
- One-piece shell (Solid Body): zinc die-cast
- One-piece shell (CONEC SlimCon): zinc die-cast, small installation space requirements
- Termination: solder pin straight/angled, solder cup
- Degree of protection: IP67

#### Benefits

- Use in harsh environments
- Front- and back panel mounting
- Increased corrosion protection
- Precision machined contacts

### IP67 D-SUB filter standard/high density



#### Details

- Shell: brass tin plated
- Termination: solder pin, solder cup
- Filter type: C-Filter up to 1300 pF (D-SUB) up to 1000 pF (HD-SUB)
- Degree of protection: IP67

#### Benefits

- Filtering directly at interface
- Can be used without PCB redesign
- Use in harsh environments
- Selective filtering
- Mixed capacitance
- Low magnetic versions
- Space saving on PCB

## ADDITIONAL CONEC PRODUCT CATEGORIES

### IP67 D-SUB hoods



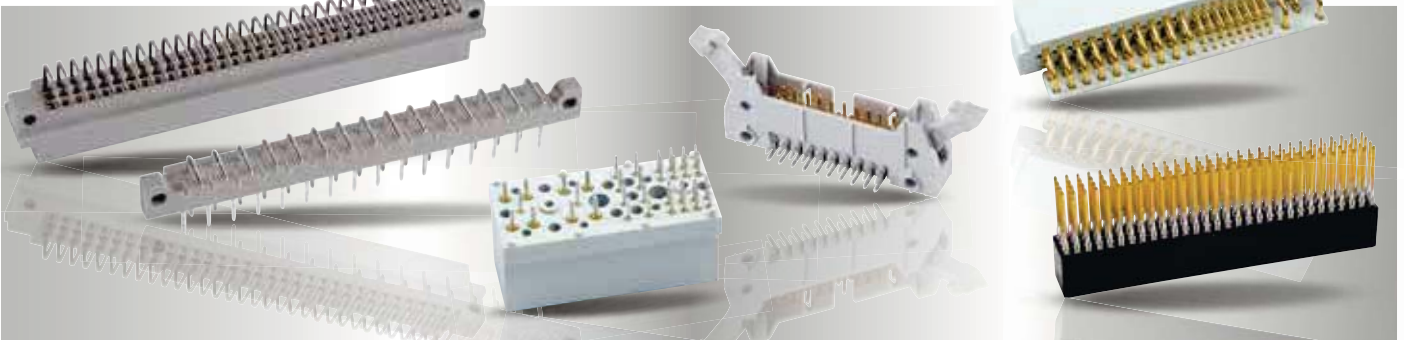
#### Details

- Shell size: 1-5
- Shell: plastic, plastic metallized
- Degree of protection: IP67

#### Benefits

- Compact design
- Integrated cable gland
- Large space for combination D-SUB
- With shield connection
- UV resistant material for use outdoors
- Assembly without special tools

### PCB connectors

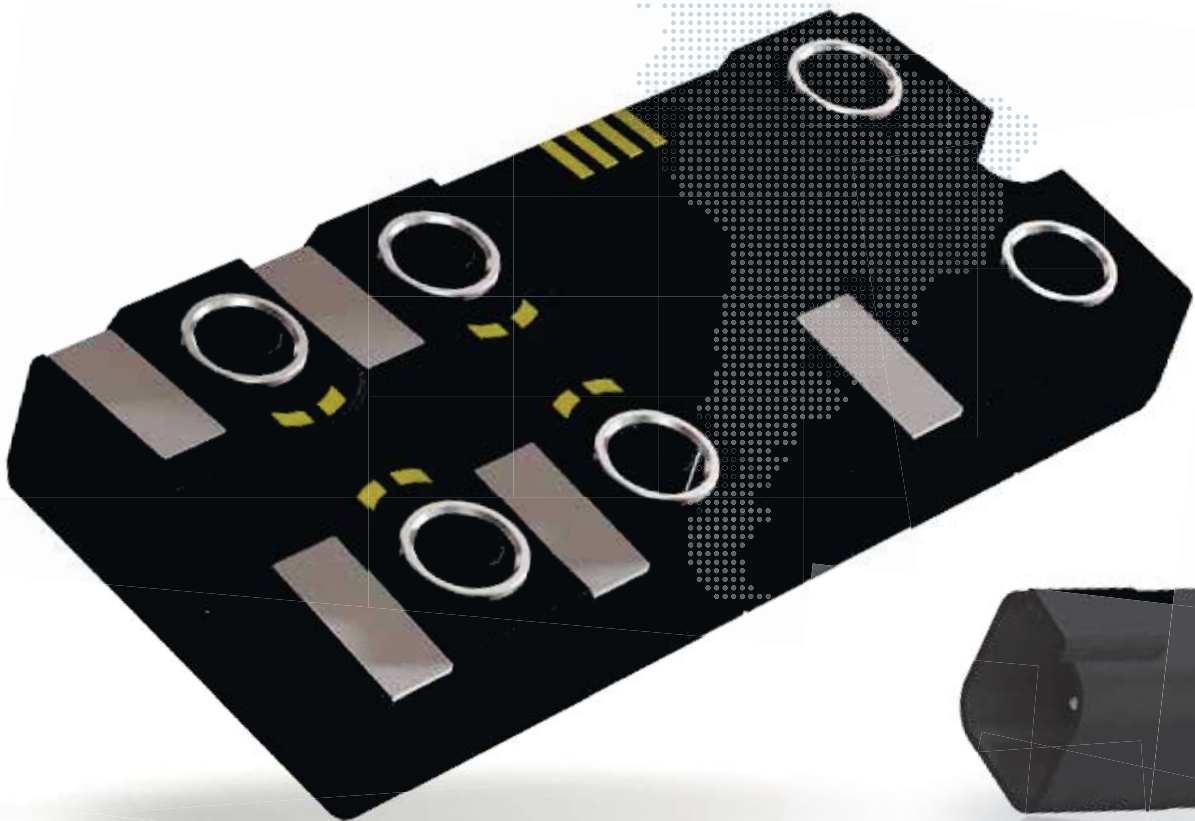


#### Overview

- DIN EN 60603-2 (DIN 41612)
- DIN 41617
- AdvancedTCA
- Flat cable connector
- CompactPCI
- PC104/PC104Plus

# CONEC®

Despite a comprehensive product portfolio of industrial connectors, customer requirements cannot always be satisfied from standard products. In such cases, it is essential to develop custom specific solutions for mechanical and plant engineering as quickly as possible.

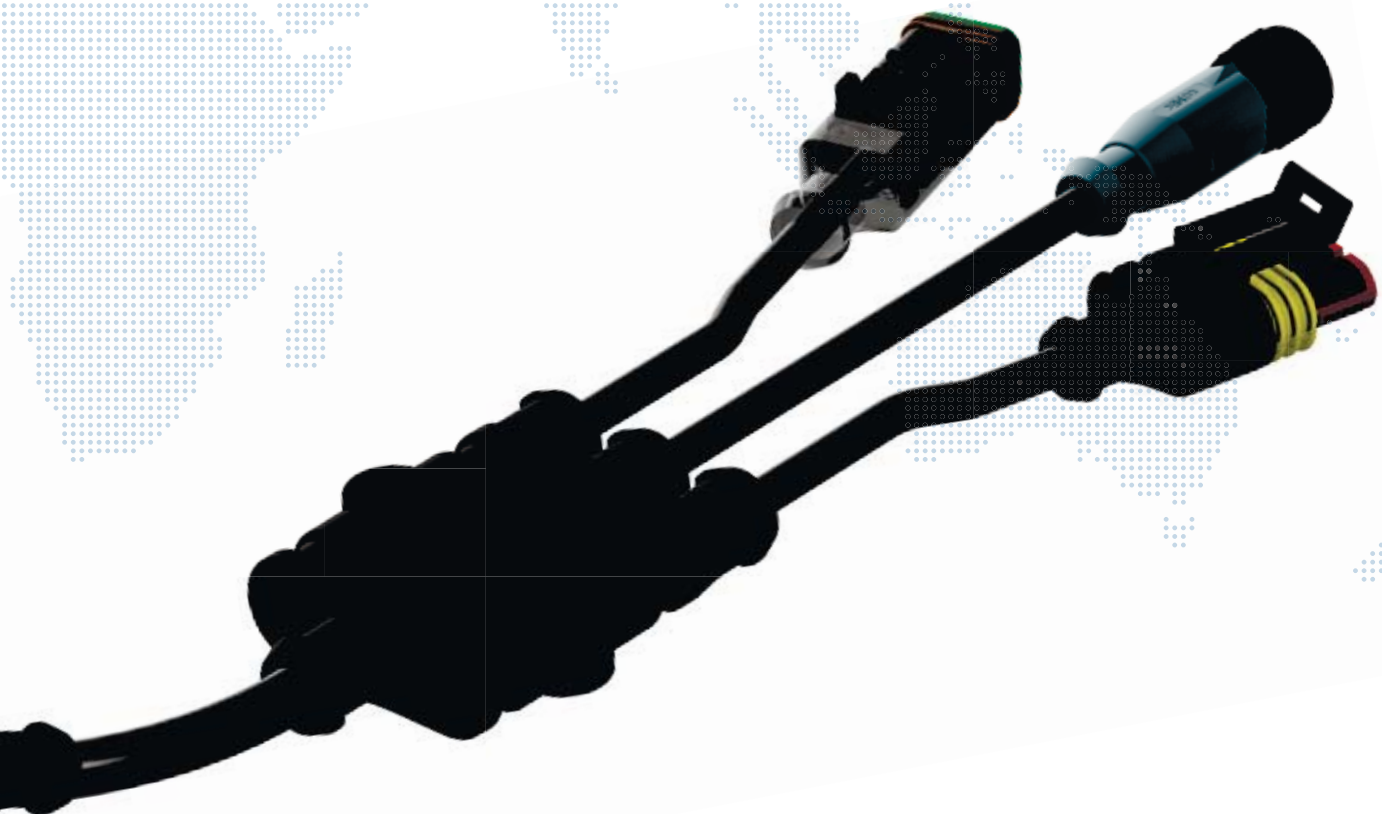




Are you looking for application-specific solutions?

The experienced CONEC design team creates solutions for you, for example:

- Special interconnect solutions to customer specifications
- Prototypes and small series production batches
- Connectors with increased IP ratings for harsh environments
- Enclosure technology for industrial use



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