

# CONEC SUPERCON HYBRID CONNECTORS FIELD ATTACHABLE

## Nomenclature

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

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## 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<br>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<br>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<br>Size B17: 2.5 mm <sup>2</sup> + AWG22 (2PEA), 1.5 mm <sup>2</sup> + AWG22 (2PE, 3PE, 4PE) |

## 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 |

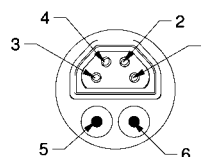
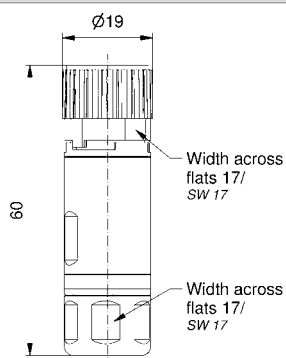
**Female connector** *Contacts: Power = female, Ethernet = male*

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

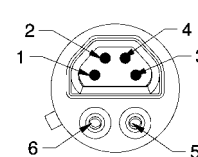
### Dimension

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.<br>(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                                            |

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