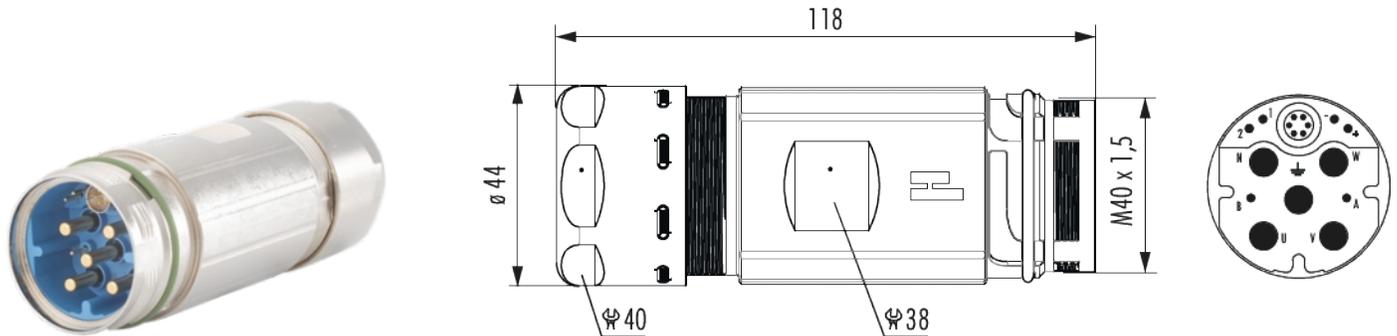


# Housing incl. Insert TWILOCK-S cable connector M40 Power - 6+6+4+PE

Item number S7.720.866.00S



| Technical data               |                 |
|------------------------------|-----------------|
| Housing type                 | Coupler         |
| Material housing             | Zinc Die Cast   |
| Material housing surface     | Nickel          |
| Insert                       | Pin             |
| Version                      | TWILOCK-S       |
| External thread plug-in side | M40 x 1,5       |
| TWILOCK thread               | M40 x 1,5       |
| Shield                       | shielded        |
| Seal type                    | O-Ring          |
| Material seals/o-rings       | FKM (FPM), NBR  |
| Cable diameter               | 21 – 28 mm      |
| Length (L)                   | 118 mm          |
| Wrench size (SW1/SW2)        | 40 / 38 mm      |
| Temperature range            | -40°C to +125°C |
| Degree of Protection         | 3               |
| Protection class             | IP 67, IP 69 K  |



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| Commercial data                                 |                             |
|---|-----------------------------|
| Characteristic of connection                    | Crimp                       |
| Number of poles                                 | 17                          |
| Pole picture                                    | 6 + 6 + 4 + PE              |
| Color Ethernet insert                           | white                       |
| Color contact insert                            | blue                        |
| Material insulating body                        | PBT                         |
| Material Ethernet insert                        | PA 6                        |
| Number of contacts data                         | 6                           |
| Number of contacts signal                       | 6                           |
| Number of contacts power                        | 4                           |
| Number of contacts PE                           | 1                           |
| Contact-Ø data                                  | 0.6 mm                      |
| Contact-Ø signal                                | 1 mm                        |
| Contact-Ø power                                 | 3.6 mm                      |
| Terminal cross section data                     | 0.05 – 0.34 mm <sup>2</sup> |
| Terminal cross section signal                   | 0.14 – 1.5 mm <sup>2</sup>  |
| Terminal cross section power                    | 2.5 – 16 mm <sup>2</sup>    |
| Crimp range                                     | 0.05 – 16 mm <sup>2</sup>   |
| Nominal current data                            | 1.2 A                       |
| Nominal current signal                          | 7 A                         |
| Nominal current power                           | 55 A                        |
| Nominal voltage at degree of pollution 3 data   | 30 V~                       |
| Nominal voltage at degree of pollution 3 signal | 150 V~                      |



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| Commercial data                                |  |
|--|--|
| Nominal voltage at degree of pollution 3 power | 600 V~   |
| Test voltage data                              | 840 V~   |
| Test voltage signal                            | 840 V~   |
| Test voltage power                             | 4000 V~  |
| Insulation resistance data                     | 10 <sup>8</sup> Ω  |
| Insulation resistance signal                   | 10 <sup>8</sup> Ω  |
| Insulation resistance power                    | 10 <sup>8</sup> Ω  |
| Max. contact resistance data                   | 0.003 mΩ   |
| Max. contact resistance signal                 | 3 mΩ   |
| Max. contact resistance power                  | 1 mΩ   |
| Minimum mating cycles                          | > 500  |
| Suitable data contacts                         | S7.010.960.611   |
| Suitable Signal contacts                       | S7.015.961.001, S7.015.961.011                                 |
| Suitable power contacts                        | S7.015.963.601, S7.015.963.611, S7.015.963.621, S7.015.963.631 |
| Suitable PE-/FE-contacts                       | S7.015.963.601, S7.015.963.611, S7.015.963.621, S7.015.963.631 |



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| Commercial data       |               |
|-----------------------|---------------|
| Packaging Unit        | 5             |
| EAN code              | 4033878012604 |
| Weight                | 0.34054 kg    |
| ETIM 7                | EC002635      |
| ETIM 8                | EC002635      |
| ETIM 9                | EC002635      |
| eCl@ss 10.1           | 27440102      |
| Customs tariff number | 85366990      |

Note:

