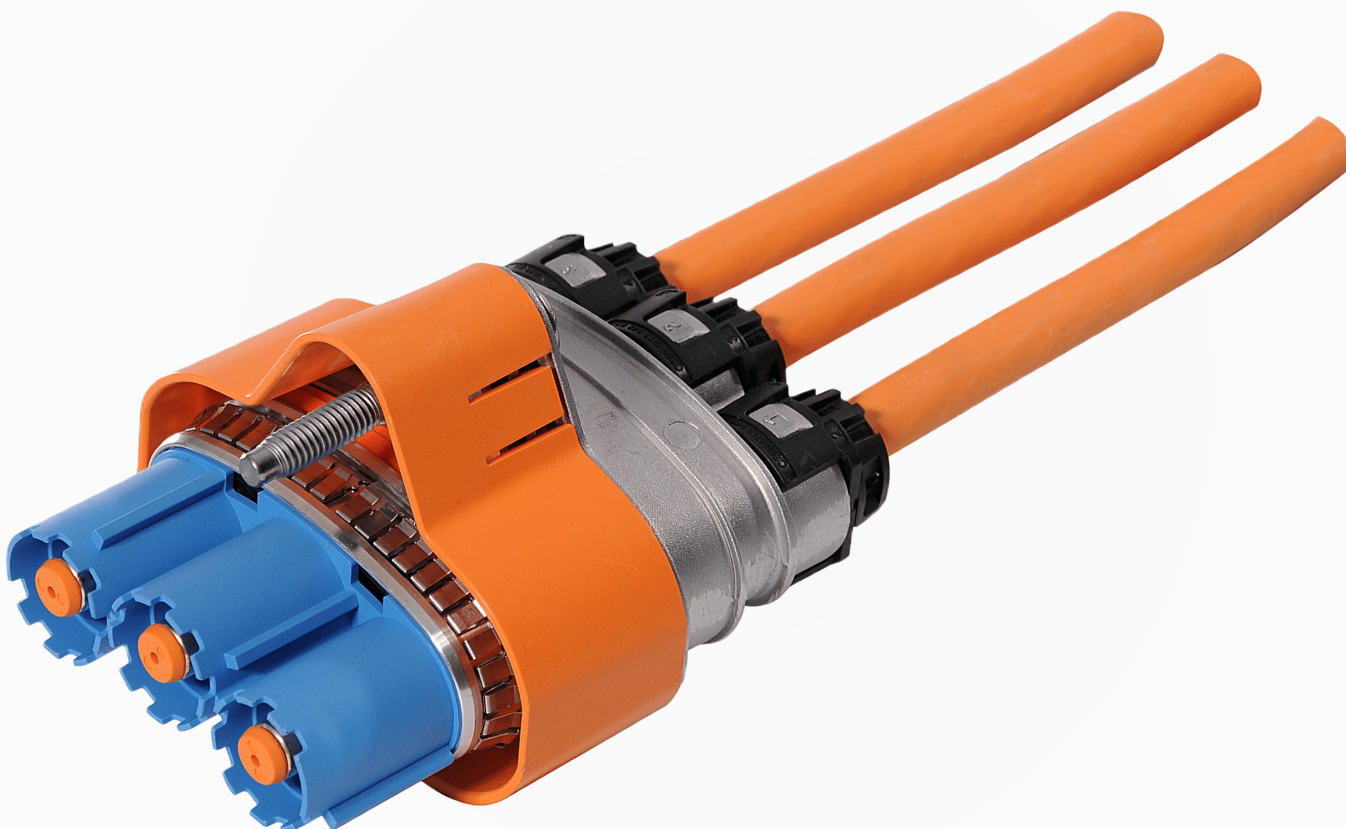


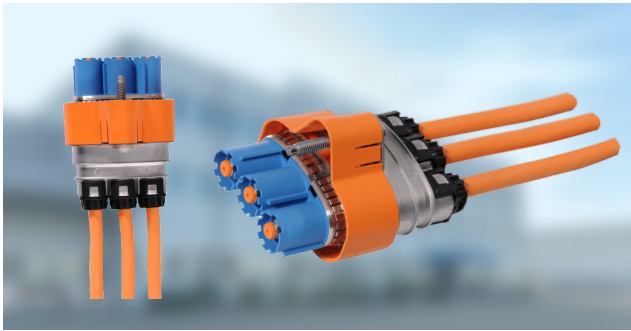
# Amphenol Automotive

Amphenol-Tuchel Electronics GmbH



8mm 180° HEAVYSOK® - 3SC

C390 3103 XH22 20XX



## Product Description

8mm 180° HEAVYSOK® - 3SC

3x35/3x50mm<sup>2</sup> wire, HVIL, applicable for common shield.

An evolution of our HVC 8mm C400 3I08 UA19 3001 which is successfully in production since over one decade.

## PRODUCT CHARACTERISTICS

|                              |  |
|------------------------------|--|
| Mating design                | robust flange connection for M6 screw  |
| Terminal System              | - 3 x Ø 8.0 mm pin; silver plated<br>- 2 x 1.2 mm HVIL contact system as jumper; silver plated   |
| Power Termination Technology | resistance brazing   |
| General Characteristics      | - touch-proof<br>- applicable for common shield<br>- sealed in mated condition acc. IP 6K9K<br>- connector supplied in kit form (optional pig-tail)<br>- different codings available |
| Corresponding Receptacle     | - C390 3M03 XH22 400X<br>- Ø 8.0 mm RADSOK® contact system; silver plated<br>- power contact pitch 20.38 mm<br>- HVIL contact pitch 17.4 mm  |

## DESIGN DETAILS

|                     |   |
|---------------------|---|
| Housing material    | aluminum alloy                                  |
| Contact material    | copper  |
| Cable cross section | 3 x 35 mm <sup>2</sup> , 3 x 50 mm <sup>2</sup> |
| RFI/EMI protection  | applicable for common shield                    |

## PERFORMANCE CHARACTERISTICS

|                                 |                             |
|---------------------------------|-----------------------------|
| Vibration class                 | V3 (acc. to USCAR 2 Rev.06) |
| Mating force                    | max. 75 N                   |
| Current profile (85°C)          | 180A at 50mm <sup>2</sup>   |
| Current profile (105°C)         | 160A at 50mm <sup>2</sup>   |
| Current profile (125°C)         | 130A at 50mm <sup>2</sup>   |
| Rated voltage                   | max. 800 V                  |
| environmental temperature range | -40°C to +125°C             |