

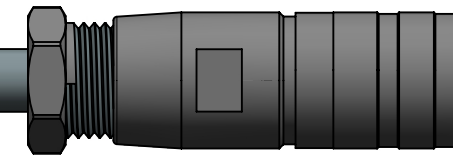
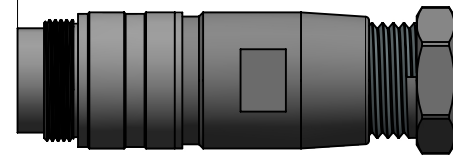
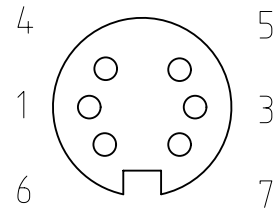
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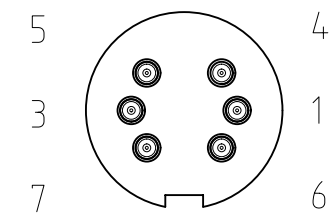
Length



AISG 8-pin female interface  
with 6 loaded contacts



AISG 8-pin male interface  
with 6 loaded contacts



## Characteristics

|                       |                                                   |                                                                            |
|-----------------------|---------------------------------------------------|----------------------------------------------------------------------------|
| Connectors            | according IEC 61076-2-106 and AISG C485           |                                                                            |
| Contact plating       | Ag                                                |                                                                            |
| Cable construction    | Jacket                                            | FR-PE, OD 8,0mm                                                            |
|                       | 6 conductors                                      | 4x0,75mm <sup>2</sup> (power)<br>2x0,25mm <sup>2</sup> twisted pair (data) |
|                       | Screen                                            | Coverage 85%                                                               |
|                       | Color                                             | black                                                                      |
| Temperature range     | -40°C to +80°C (fixed position)                   |                                                                            |
| Protection class      | IP 68 (mated)                                     |                                                                            |
| Salt spray resistance | Functional safety in plugged condition up to 720h |                                                                            |

## Configuration of Terminals

| Female AISG connector | color of wire | Signal          | Male AISG connector |
|-----------------------|---------------|-----------------|---------------------|
| 1                     | blue          | +12V DC nominal | 1                   |
| 3                     | white         | RS485 B         | 3                   |
| 4                     | green         | RS485 GND       | 4                   |
| 5                     | brown         | RS 485 A        | 5                   |
| 6                     | red           | +24V DC nominal | 6                   |
| 7                     | black         | DC return       | 7                   |

pins 2 and 8 not connected

## \* order other length

| Cable Style and length | Definition of length   | Example                                   |
|------------------------|------------------------|-------------------------------------------|
| CA 091 60 4000 XXX     | XXX = Length in meters | CA 091 60 4000 005<br>(length = 5 meters) |

## Preferred Cable Length (other length on request)\*

| Part number        | length m / ft |
|--------------------|---------------|
| CA 091 60 4000 950 | 0,5 / 1,6     |
| CA 091 60 4000 001 | 1 / 3,2       |
| CA 091 60 4000 002 | 2 / 6,6       |
| CA 091 60 4000 003 | 3 / 9,8       |
| CA 091 60 4000 004 | 4 / 13,1      |
| CA 091 60 4000 005 | 5 / 16,4      |
| CA 091 60 4000 007 | 7 / 23,0      |
| CA 091 60 4000 010 | 10 / 32,8     |
| CA 091 60 4000 015 | 15 / 49,2     |
| CA 091 60 4000 020 | 20 / 65,6     |
| CA 091 60 4000 050 | 50 / 164      |
| CA 091 60 4000 100 | 100 / 328     |

|                                |           |            |       |                                         |            |                  |                                                  |                    |  |                            |  |
|--------------------------------|-----------|------------|-------|-----------------------------------------|------------|------------------|--------------------------------------------------|--------------------|--|----------------------------|--|
| Gewicht (errechnet) / Calc WT: |           |            |       | Zul. Abw./Tolerances:                   |            | Maßstab / Scale: |                                                  | A3                 |  |                            |  |
| Prüfmaß / Testdimension        |           |            |       |                                         |            | CUSTOMER DRAWING |                                                  |                    |  |                            |  |
| Teileindex<br>Partindexnumber  |           |            |       |                                         |            |                  |                                                  |                    |  |                            |  |
|                                |           |            |       |                                         | Datum/Date | Name             | Cable assembly<br><br>FR-PE cable, 6 pins loaded |                    |  |                            |  |
|                                |           |            |       | Gez.                                    | 30.06.2016 | MCARL            |                                                  |                    |  |                            |  |
|                                |           |            |       | Drawn                                   |            |                  |                                                  |                    |  |                            |  |
|                                |           |            |       | Status: in work                         |            |                  |                                                  |                    |  |                            |  |
|                                |           |            |       | Inspector: 30.06.2016 MCARL             |            |                  |                                                  |                    |  |                            |  |
|                                |           |            |       | <b>Amphenol-Tuchel Electronics GmbH</b> |            |                  |                                                  |                    |  |                            |  |
| 01                             | 201600004 | 30.06.2016 | MCARL |                                         |            |                  | M                                                | CA 091 60 4000 XXX |  |                            |  |
| Index Änderun                  |           |            |       | Description                             |            | Datum/Date       |                                                  | Name               |  | Ers. f. / Replacement for: |  |
|                                |           |            |       |                                         |            |                  |                                                  |                    |  | Blatt/ Sheet               |  |
|                                |           |            |       |                                         |            |                  |                                                  |                    |  | 1                          |  |
|                                |           |            |       |                                         |            |                  |                                                  |                    |  | 1 Bl.                      |  |

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