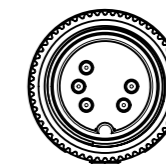
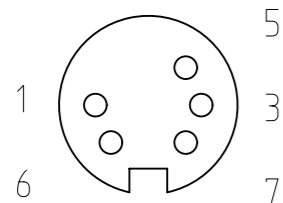


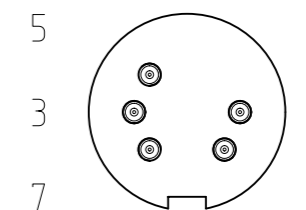
Length



AISG 8-pin female interface with 5 loaded contacts



AISG 8-pin male interface with 5 loaded contacts



Characteristics

| | | |
|-----------------------|---|--|
| Connectors | according IEC 61076-2-106 and AISG C485 | |
| Contact plating | Ag | |
| Cable construction | Jacket | FR-PE, OD 7,0mm |
| | 5 conductors | 3x0,75mm ² (power) 2x0,25mm ² 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 |
| 5 | brown | RS 485 A | 5 |
| 6 | red | +24V DC nominal | 6 |
| 7 | black | DC return | 7 |

pins 2, 4 and 8 not connected

Preferred Cable Length (other length on request)*

| Part number | length m / ft |
|--------------------|---------------|
| CA 091 80 4300 950 | 0,5 / 1,6 |
| CA 091 80 4300 001 | 1 / 3,2 |
| CA 091 80 4300 002 | 2 / 6,6 |
| CA 091 80 4300 003 | 3 / 9,8 |
| CA 091 80 4300 004 | 4 / 13,1 |
| CA 091 80 4300 005 | 5 / 16,4 |
| CA 091 80 4300 007 | 7 / 23,0 |
| CA 091 80 4300 010 | 10 / 32,8 |
| CA 091 80 4300 015 | 15 / 49,2 |
| CA 091 80 4300 020 | 20 / 65,6 |
| CA 091 80 4300 050 | 50 / 164 |
| CA 091 80 4300 100 | 100 / 328 |

*** order other length**

| Cable Style and length | Definition of length | Example |
|------------------------|------------------------|---|
| CA 091 80 4300 XXX | XXX = Length in meters | CA 091 80 4300 005 (length = 5 meters) |

| | | | | | |
|--|--|--|--|---|--|
| Gewicht (errechnet) / Calc WT: | | Zul. Abw./Tolerances: | | Maßstab / Scale: A3 | |
| Prüfmaß / Testdimension | | DIN / ISO 13715 | | CUSTOMER DRAWING | |
| Teileindex Partindexnumber | | Datum/Date Name | | | |
| | | Gez. Drawn 30.06.2016 MCARL | | Cable assembly overmolded FR-PE cable, 5 pins loaded | |
| | | Status: in work Inspector: 30.06.2016 MCARL | | | |
| | | Amphenol-Tuchel Electronics GmbH | | Blatt/Sheet 1 | |
| 01 201600004 30.06.2016 MCARL | | | | M CA 091 80 4300 XXX 1 Bl. | |
| Index Änderung/Description Datum/Date Name | | | | Ers. f. / Replacement for: | |

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