

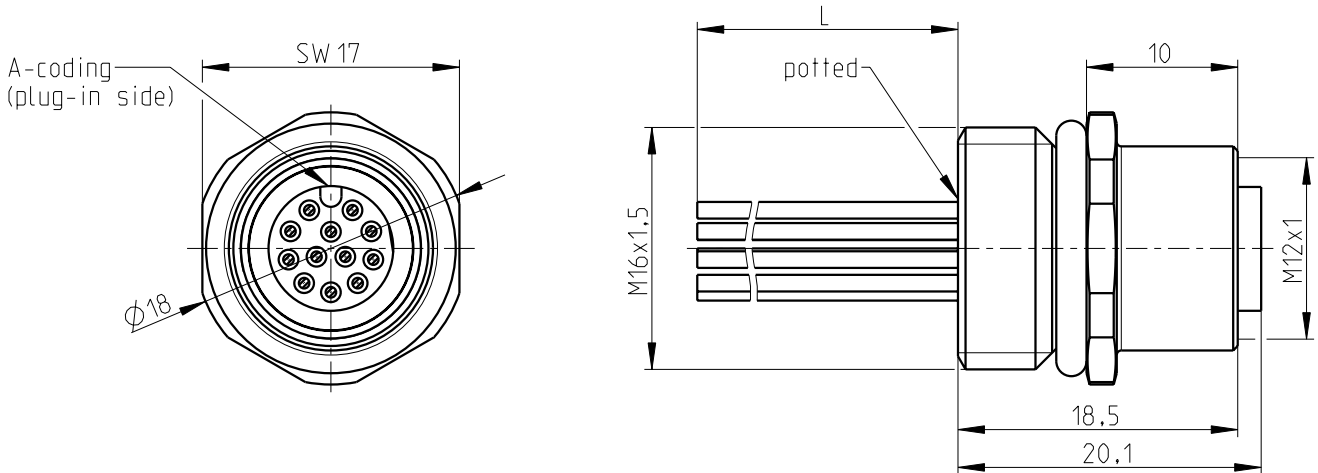
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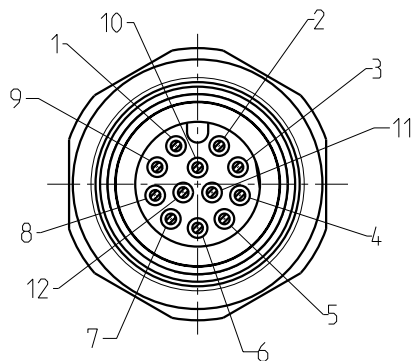
| Mechanical data<br>(according to IEC 61076-2-101) |                 | Material           |                     |
|---------------------------------------------------|-----------------|--------------------|---------------------|
| no. of poles / coding                             | 12 / A          | housing            | V4A                 |
| contact termination                               | crimp / socket  | contact carrier    | PA 66 / UL 94 V0    |
| contact-Ø                                         | 0.6mm           | colour             | black               |
| temperature range                                 | -40 °C / +85 °C | wire               | TPE                 |
| protection class                                  | IP 67           | cross section      | 0.14mm <sup>2</sup> |
| mating cycles                                     | >100            | contacts / surface | CuZn / Au           |
| locking system                                    | M12 STANDARD    | sealing gasket     | FKM                 |
|                                                   |                 | potting            | PU 2k / UL 94 V0    |

further information:  
- see technical data M12-1  
- see installation recommendation M16x1,5 design E



All specified data refers to the mounted M12 installation plugs ≥ IP54 and requires that the connector pair be correctly plugged and locked. Influences from wires, cables or PCB mounting are also to be taken into consideration.

View of pin assignment  
Plug-in side



Pin layout

| pin | colour | pin | colour    |
|-----|--------|-----|-----------|
| 1   | brown  | 7   | black     |
| 2   | blue   | 8   | grey      |
| 3   | white  | 9   | red       |
| 4   | green  | 10  | purple    |
| 5   | pink   | 11  | grey/pink |
| 6   | yellow | 12  | red/blue  |

|           |       |
|-----------|-------|
| order-no. | L (m) |
| 1238715   | 0.5   |

|                                             |            |          |                                                                         |                                          |                  |
|---------------------------------------------|------------|----------|-------------------------------------------------------------------------|------------------------------------------|------------------|
| general tolerance<br>acc. to DIN ISO 2768-c |            |          | technical changes reserved                                              | Index 1 / 2011-11-24                     | scale:<br>2:1    |
| design                                      | date       | name     | description:<br>Housing with crimp contacts<br>Front mounting (M16x1,5) |                                          |                  |
| chk.                                        | 2011-11-24 | Scheerer |                                                                         |                                          |                  |
|                                             |            |          | drawing-no.:                                                            | BA-L61RFA0QX,XX (X,XX=L)                 |                  |
|                                             |            |          | order-no.:                                                              | see chart                                |                  |
|                                             |            |          | article designation:                                                    | SACC-E-M12FS-12CON-M16/L (see chart) VAX |                  |
|                                             |            |          |                                                                         |                                          | page: 1<br>of: 1 |