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## Part Information:



**Part Number:** C091 31N012 200 2

**Description:** Female receptacle, front mounting, solder termination, gold, 12

**Family:** C091D



## Specifications

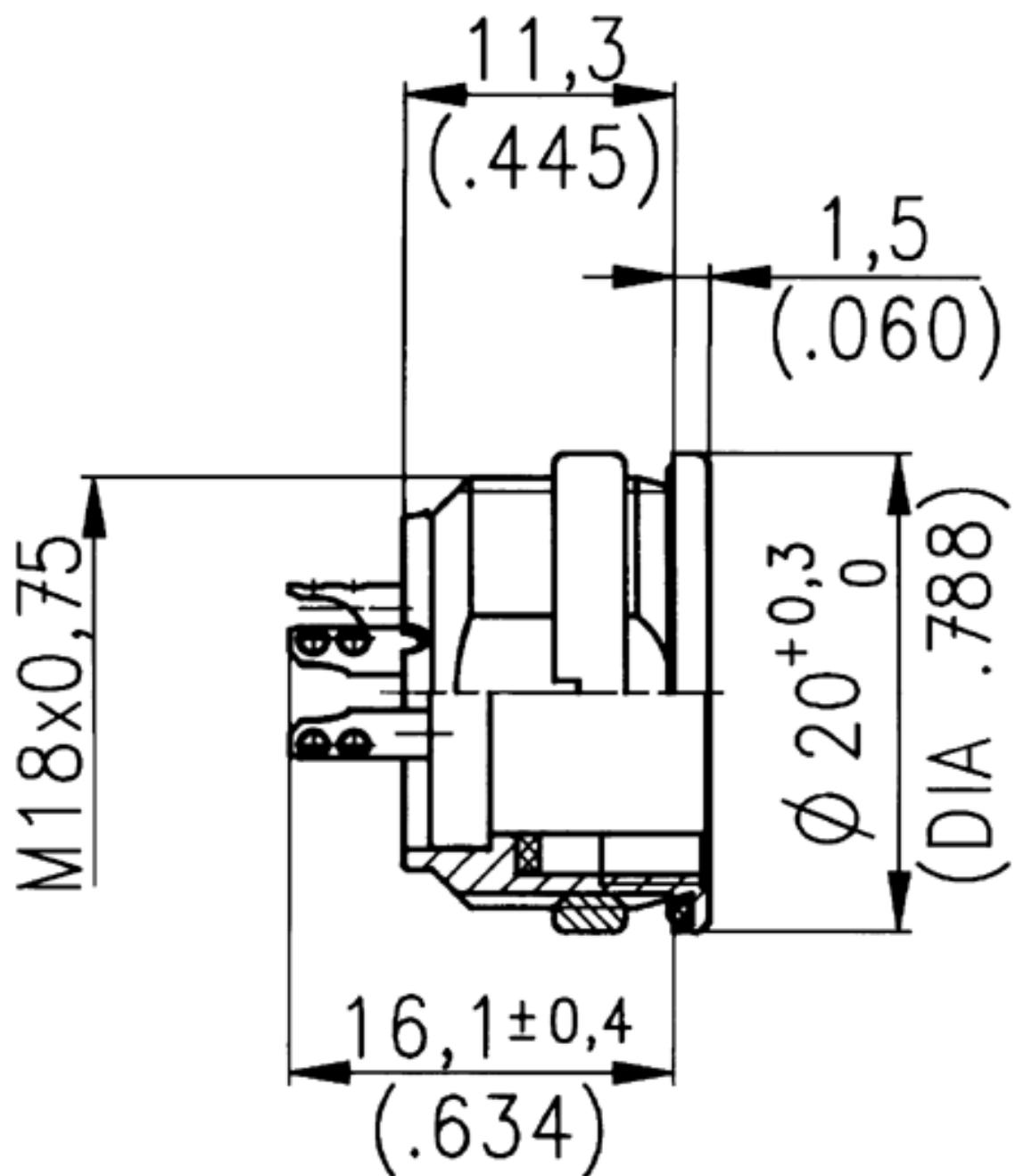
| General                                    | Standard | Characteristics |
|--------------------------------------------|----------|-----------------|
| Number of contacts                         |          | 12              |
| View on termination side of contact insert |          |                 |

|                                      |                         |                                  |
|--------------------------------------|-------------------------|----------------------------------|
| Contact arrangement according to DIN |                         | -                                |
| Contact arrangement according to IEC |                         | -                                |
| <b>Electrical</b>                    |                         |                                  |
| Rated voltage                        | IEC 60664-1             | 150 V                            |
| Rated impulse withstand voltage      | IEC 60664-1             | 1200 V                           |
| Pollution degree                     | IEC 60664-1             | 1                                |
| Installation category                | IEC 60664-1             | I                                |
| Insulation group                     | IEC 60664-1             | 3                                |
| Test voltage                         | IEC 60664-1             | 670 V                            |
| Current rating                       | IEC 60512-3<br>Test 5 b | 3 A / +40°C/ _104°F              |
| Insulation resistance                | IEC 60512-2<br>Test 3 a | >10 <sup>12</sup> Ω              |
| Contact resistance                   | IEC 60512-2<br>Test 2 a | <5 m Ω                           |
| <b>Climatical</b>                    |                         |                                  |
| Climatic category                    | IEC 60068-1             | 40 / 85 / 56                     |
| Temperature range                    | IEC 60068-1             | -40°C ... +85°C/-40°F ... +185°F |

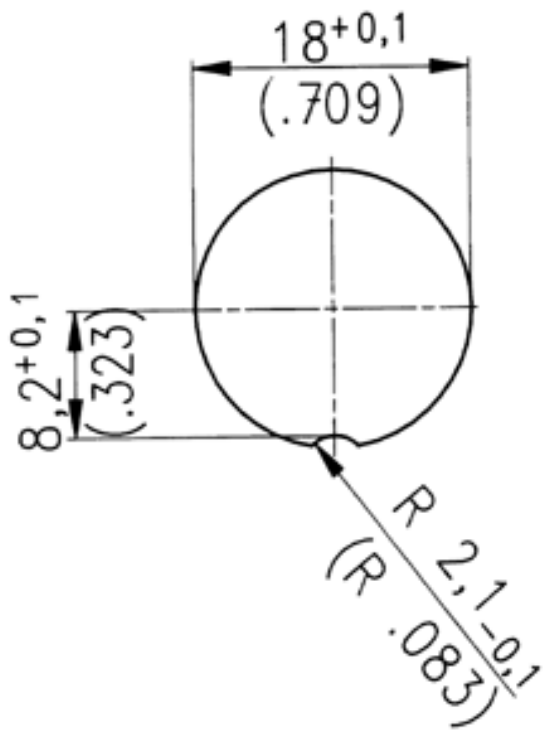
| Mechanical                      |                          |                                                                   |
|---------------------------------|--------------------------|-------------------------------------------------------------------|
| IP-degree                       | IEC 60529                | IP 67                                                             |
| Insertion and withdrawal forces | IEC 60512-7<br>Test 13 b | 50 N<br>180.oz                                                    |
| Mechanical operation            | IEC 60512-5<br>Test 9 a  | Silver $\geq$ 500 mating cycles<br>Gold $\geq$ 1000 mating cycles |
| Materials                       |                          |                                                                   |
| Housing                         |                          | die cast, nickel plated                                           |
| Dielectric                      |                          | thermoplastic                                                     |
| Contact plating                 |                          | silver plated, gold plated                                        |
| Other Characteristics           |                          |                                                                   |
| Termination technique           |                          | solder                                                            |
| Wire gauge                      |                          | $\leq$ 0.25mm (24 AWG))                                           |
| Flammability                    |                          | UL 94 VO                                                          |
| Locking system                  | IEC 103-9                | metal screw coupling                                              |



**Line Drawings**



Panel Cutout



## Assembly Instructions

