

heavy|mate® - C146 EE Contact insert 10 + PE

Part No. C146 10B010 500 10

Series Heavy duty connectors heavy|mate® - C 146

Subseries Heavy duty connector heavy|mate® - C146 EE



View represents all available contact positions.

| COMMON CHARACTERISTICS      |  |                         |
|-----------------------------|--|-------------------------|
| No. of contacts             |  | 10 + PE                 |
| Type of contact             |  | Turned crimp contact    |
| ELECTRICAL CHARACTERISTICS  |  |                         |
| Rated voltage               | DIN EN 60664-1 / IEC 60664-1                   | 500 V (600 V UL / CSA)  |
| Rated impulse voltage       | DIN EN 60664-1 / IEC 60664-1                   | 6000V                   |
| Rated current at 40°C       |  | 16 A                    |
| Voltage proof               | DIN EN 60512-2, Test 4a / IEC 60512-2, Test 4a | 3.000 V                 |
| Installation category       | DIN EN 60664-1 / IEC 60664-1                   | III                     |
| Insulation group            | DIN EN 60664-1 / IEC 60664-1                   | III b                   |
| Insulation resistance       | DIN EN 60512-2, Test 3a / IEC 60512-2, Test 3a | ≥ 10 <sup>12</sup>      |
| Contact resistance          | DIN EN 60512-2, Test 2a / IEC 60512-2 Test 2a  | ≤ 5 m                   |
| Clearance                   | IEC 60664-1                                    | > 5,5 mm                |
| Creepage                    | IEC 60664-1                                    | > 10 mm                 |
| Current carrying capacity   | DIN EN 60512-3, Test 5b / IEC 60512-2 Test 5b  | see derating curves     |
| Pollution degree            | DIN EN 60664-1 / IEC 60664-1                   | 3                       |
| CLIMATICAL CHARACTERISTICS  |  |                         |
| Climatic category           | DIN EN 60068-1 / IEC 60068-1                   | 40 / 100 / 21           |
| Upper temperature           |  | + 100 °C / 1000h        |
| Lower temperatur            |  | - 40 °C / 16h           |
| MECHANICAL CHARACTERISTICS  |  |                         |
| IP degree of protection     | DIN EN 60529 / IEC 60529                       | IP20 unmated            |
| Mechanical lifetime         | IEC 60512-5; Test 9 a                          | ≥ 500 mating cycles     |
| MATERIALS                   |  |                         |
| Contacts                    |  | CuZn                    |
| Insert                      |  | PC                      |
| Colour                      |  | grey                    |
| Contact plating             |  | silver plated           |
| Knurled screw / Knurled nut |  | CuZn                    |
| FURTHER CHARACTERISTICS     |  |                         |
| Termination                 |  | crimp                   |
| Wire gauge                  |  | 0,5 - 4 mm <sup>2</sup> |
| Flammability                | UL 94  | V-0                     |



600 V, 15 A  
E 63093



600 V, 16 A  
172062-1027396 (LR 48323-2)

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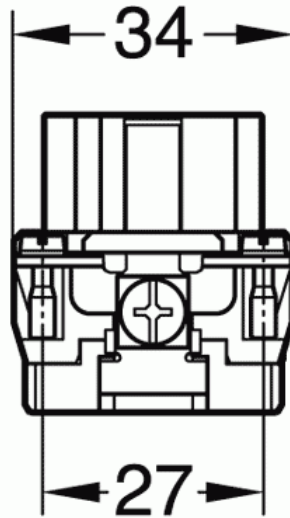
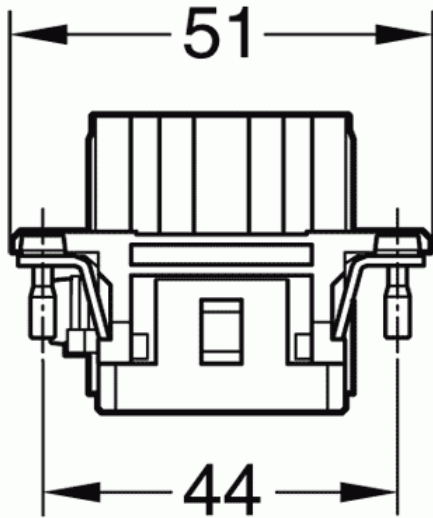
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Drawing Dimensions in mm (Inch)

23.02.2007

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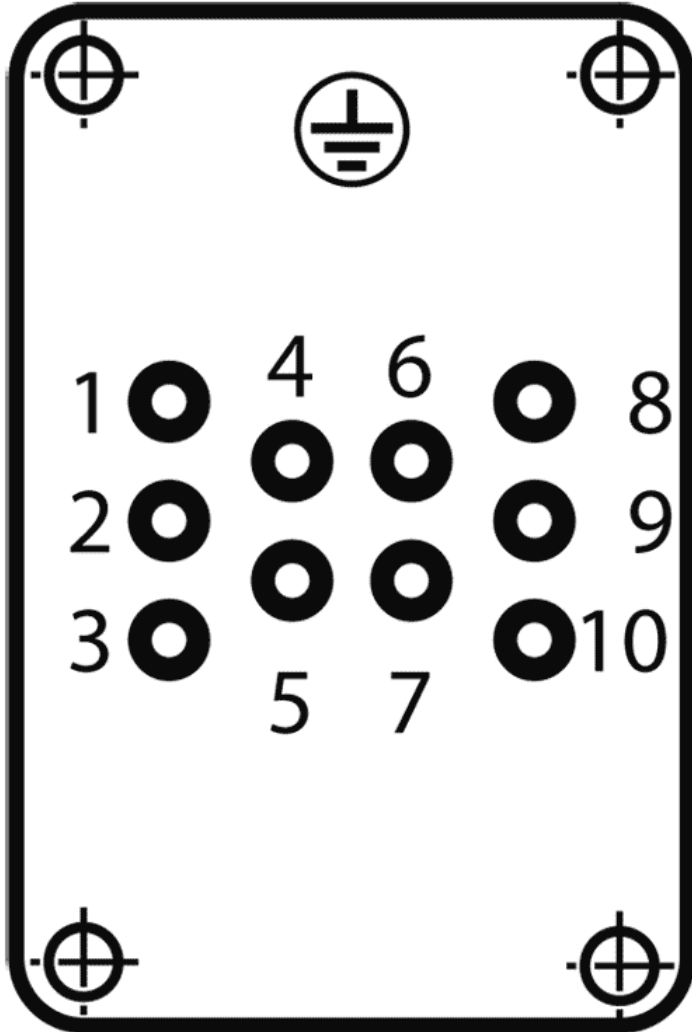
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Contact arrangement