

heavy|mate® - C146 Q pin insert 5 pole (5+PE)

Part No. C146 10A005 500 12

Pin insert 5 + PE

Series Heavy duty connectors heavy|mate® - C 146

Subseries Heavy duty connector heavy|mate® - C146 Q



View represents all available contact positions.

COMMON CHARACTERISTICS

| | | |
|-----------------|--|---------------|
| No. of contacts | | 5 + PE |
| Type of contact | | Crimp contact |
| Sex of Contact | | Pin |

ELECTRICAL CHARACTERISTICS

| | | |
|-----------------------|--|---------------------------------------|
| Rated voltage | DIN EN 60664-1 / IEC 60664-1 | 230/400V (cond. - gnd. / cond.-cond.) |
| Rated impulse voltage | DIN EN 60664-1 / IEC 60664-1 | 8000V |
| Rated current at 40°C | | siehe Deratingkurven A |
| Installation category | DIN EN 60664-1 / IEC 60664-1 | III |
| Insulation group | DIN EN 60664-1 / IEC 60664-1 | II |
| Insulation resistance | DIN EN 60512-2, Test 3a / IEC 60512-2, Test 3a | $\geq 10^{10}$ |
| Contact resistance | DIN EN 60512-2, Test 2a / IEC 60512-2 Test 2a | < 5 m |
| Pollution degree | DIN EN 60664-1 / IEC 60664-1 | 3 |

CLIMATICAL CHARACTERISTICS

| | | |
|-------------------|------------------------------|---------------|
| Climatic category | DIN EN 60068-1 / IEC 60068-1 | 40 / 125 / 21 |
| Temperature range | | -40 / 125°C |

MECHANICAL CHARACTERISTICS

| | | |
|---------------------|--|--------------------------|
| Mechanical lifetime | | ≥ 500 mating cycles |
|---------------------|--|--------------------------|

MATERIALS

| | | |
|-----------------|--|-----------------------------|
| Contacts | | Cu-alloy |
| Insert | | PC |
| Colour | | grey |
| Contact plating | | silver plated / gold plated |
| Male contact | | CuZn |
| Female contact | | CuZn |

FURTHER CHARACTERISTICS

| | | |
|------------------|-------|---------------------------------------|
| Termination | | crimp |
| Wire gauge | | 0,5mm ² - 4mm ² |
| Wire gauge (AWG) | | 20 - 12 |
| Flammability | UL 94 | V-0 |

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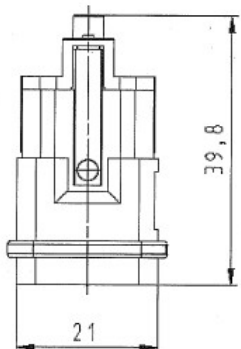
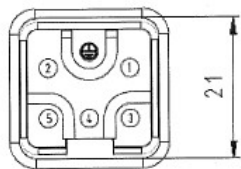
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Drawing Dimensions in mm (Inch)

26.06.2013

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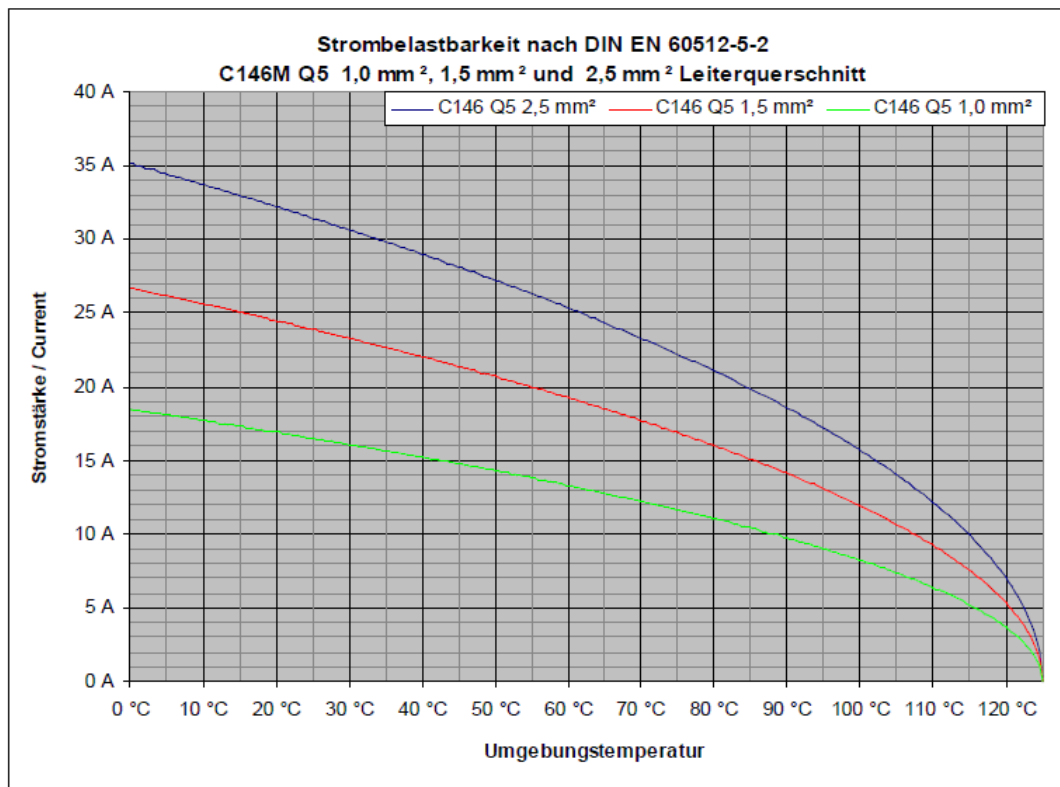
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Contact arrangement