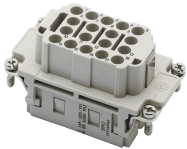


heavy|mate® - C146 EE Contact insert 18 + PE

Part No. C146 10B018 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		18 + 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 ¹² Ω
Contact resistance	DIN EN 60512-2, Test 2a / IEC 60512-2 Test 2a	≤ 5 mΩ
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 mm²
Flammability	UL 94	V-0

heavy|mate® - C146 EE Contact insert 18 + PE

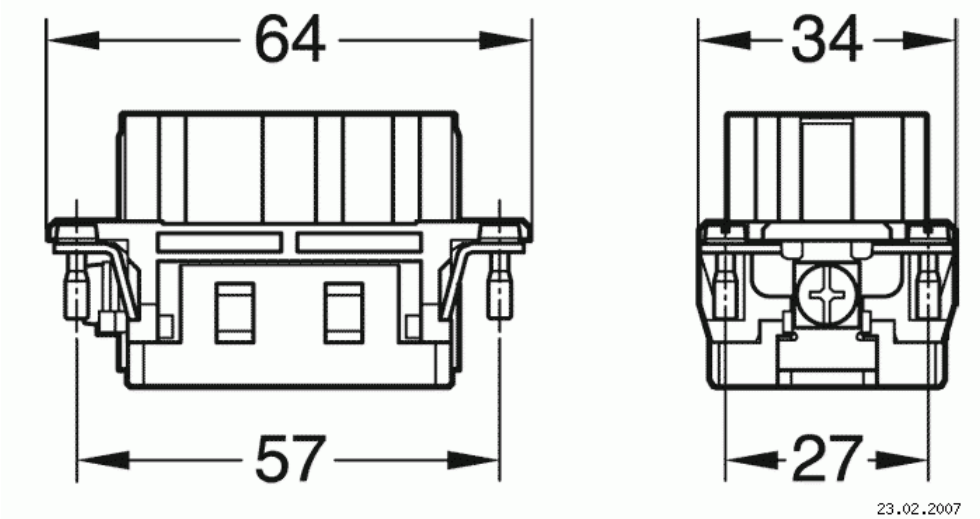
Part No. C146 10B018 500 10

Series Heavy duty connectors heavy|mate® - C 146

Subseries Heavy duty connector heavy|mate® - C146 EE



View represents all available contact positions.



Drawing Dimensions in mm (Inch)

heavy|mate® - C146 EE Contact insert 18 + PE

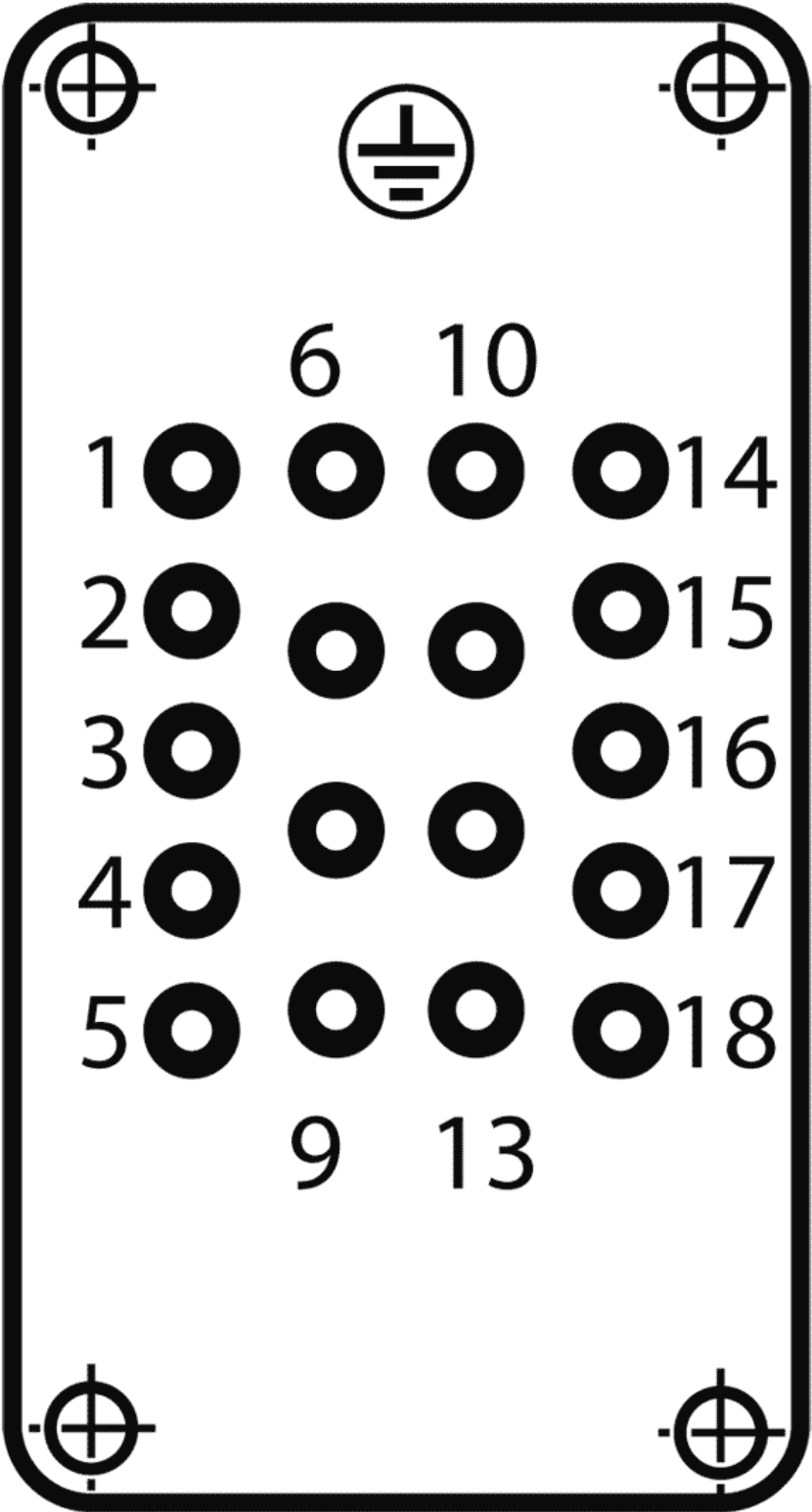
Part No. C146 10B018 500 10

Series Heavy duty connectors heavy|mate® - C 146

Subseries Heavy duty connector heavy|mate® - C146 EE



View represents all available contact positions.



Contact arrangement