

heavy|mate®- C146 HSE Contact insert screw termination with wire protection



Part No. C146 10A006 102 5

Series Heavy duty connectors heavy|mate® - C 146
Subseries Heavy duty connector heavy|mate®- C146 HSE

View represents all available contact positions.

COMMON CHARACTERISTICS		
No. of contacts		6 + PE
Weight male insert		80 g
Weight female insert		80 g
ELECTRICAL CHARACTERISTICS		
Rated voltage	DIN EN 60664-1 / IEC 60664-1	400 V (600 V UL / CSA)
Rated impulse voltage	DIN EN 60664-1 / IEC 60664-1	6000V
Rated current at 40°C		42 A
Voltage proof	DIN EN 60512-2, Test 4a / IEC 60512-2, Test 4a	2.200 V
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	≥ 10 ¹² Ω
Contact resistance	DIN EN 60512-2, Test 2a / IEC 60512-2 Test 2a	≤ 1 mΩ
Clearance	IEC 60664-1	≥ 3,5 mm
Creepage	IEC 60664-1	≥ 5,6 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
CLIMATIC CHARACTERISTICS		
Climatic category	DIN EN 60068-1 / IEC 60068-1	40 / 125 / 21
Upper temperature		+ 125 °C / 1000h
Lower temperatur		- 40 °C / 16h
MECHANICAL CHARACTERISTICS		
IP degree of protection	DIN EN 60529 / IEC 60529	IP00 unmated
Insertion and withdrawal force	DIN EN 60512-13-2, Test 13b / IEC 60512-13-2, Test 13b	40 - 60 N
Mechanical lifetime	IEC 60512-5; Test 9 a	≥ 500 mating cycles
MATERIALS		
Contacts		CuZn
Insert		PA
Colour		black
Contact plating		silver plated
FURTHER CHARACTERISTICS		
Termination		screw
Wire gauge		0,5 - 6,0 mm²
Flammability	UL 94	V-0

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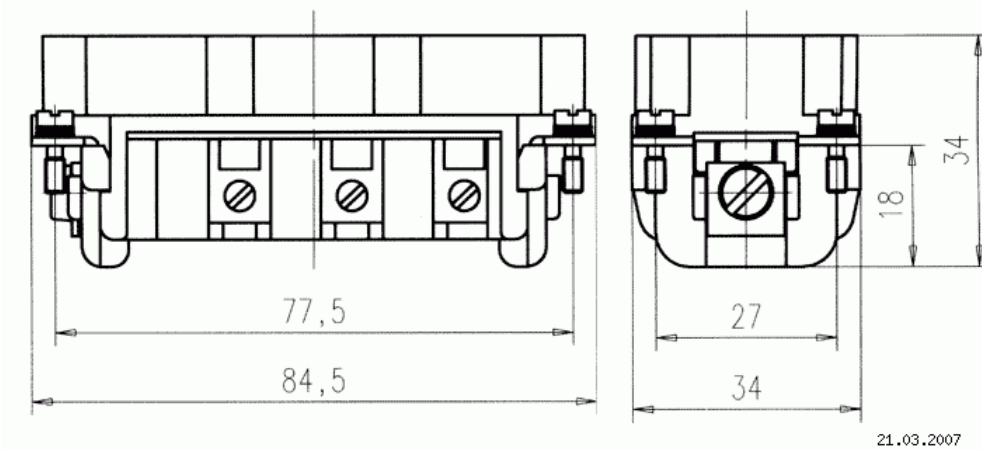
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Drawing Dimensions in mm (Inch)

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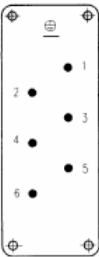
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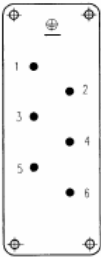


View represents all available contact positions.

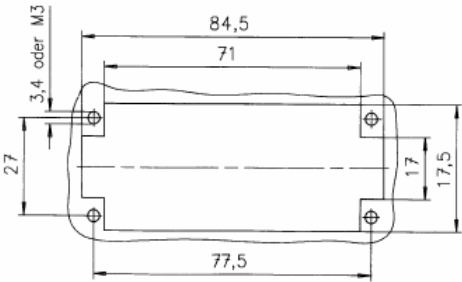
Stifteinsatz
Male insert



Buchseneinsatz
Female insert



Montageausschnitt (Kontaktträger)
Panel cut out (insert)



Contact arrangement