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Amphenol-Tuchel Electronics GmbH

Data sheet

heavy|mate® - C146 DD Contact insert 24 + PE

Part No. **C146 10B024 000 9**



View represents all available contact positions.

Series Heavy duty connectors heavy|mate® - C 146

Subseries Heavy duty connector heavy|mate® - C146 DD

COMMON CHARACTERISTICS		
No. of contacts		24 + PE
Type of contact		Turned crimp contact
Weight male insert		44 g
Weight female insert		41 g
ELECTRICAL CHARACTERISTICS		
Rated voltage	DIN EN 60664-1 / IEC 60664-1	250 V (600 V UL / CSA)
Rated impulse voltage	DIN EN 60664-1 / IEC 60664-1	4000V
Rated current at 40°C		9 A
Voltage proof	DIN EN 60512-2, Test 4a / IEC 60512-2, Test 4a	2.000 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	VDE 0627	> 2,5 mm
Creepage	VDE 0627	> 4 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	2
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		PBT
Colour		grey
Contact plating		silver plated
FURTHER CHARACTERISTICS		
Termination		crimp
Wire gauge		0,14 - 2,5 mm²
Flammability	UL 94	V-0

250 V, 10 A

250 V, 8,5 A
E 63093

600 V, 20 A
LR 700721

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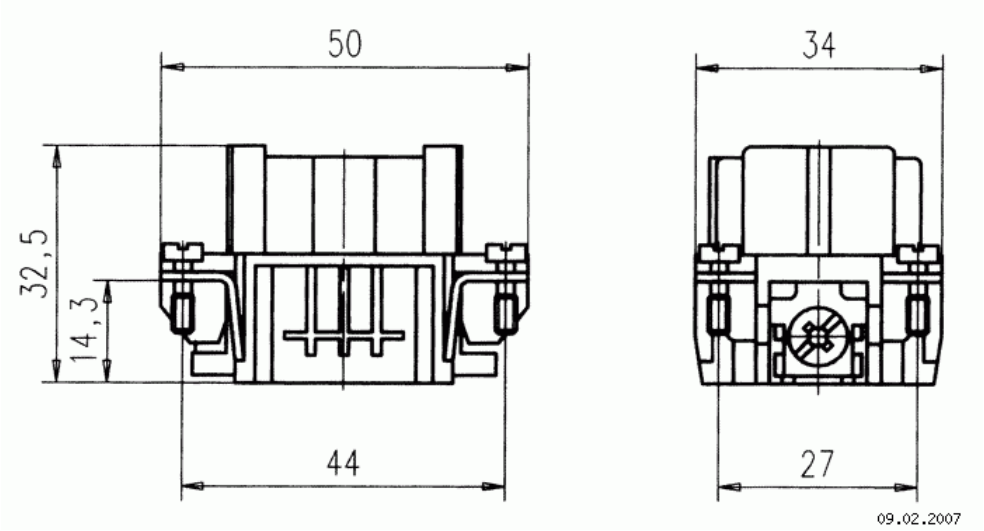
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Drawing Dimensions in mm (Inch)

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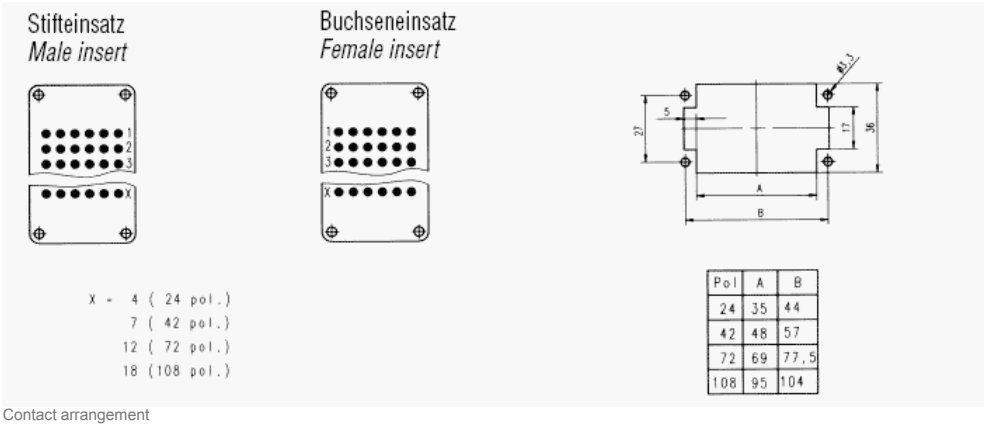
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Contact arrangement

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