

Part number

CSHF 24 N



Female insert, CSH series, SQUICH® spring terminal connection without tools, 24 poles + PE (25-48), 16 A 500 V 6 kV 3, size "104.62"

Product description		Material properties	
Product type	Insert	Main material	Polycarbonate (PC)
Series	CSH	Other materials	Contacts: copper alloy
Connection type	SQUICH® spring terminal connection without tools	Colour	RAL 7032 grey
Gender	Female	RoHs conformity	Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight
N. of poles	48 poles + 	China RoHs - EFUP	50
Size	Size "104.62"	REACH SVHC substances	Yes Lead
Technical data		SCIP number	1a9c93ff-0445-4a16-81e3-1609ac5274d6
Current	16 A	Approvals / Standards	
Voltage	500 V	Reference standard	EN 61984:2009-06
Rated impulse withstand voltage	6 kV	Certifications	CSA, CQC, DNV, BV, EAC
Pollution degree	3	UL	ECBT2, PVVA2
Rated voltage according to UL/CSA	600 V	cUL	ECBT8, PVVA8
Wire cross-section	0,14 mm² - 2,50 mm²	General ordering information	
AWG size	26 - 14	EAN13 code	8015747170819
Contact type	Turned silver plated	eCl@ss 8.1	27440205
Pole numbering system	25-48	ETIM 7.0	EC000438
IP degree of protection	IP20 without enclosure, IP65/IP66/IP68/IP69 with enclosure	Packaging Information	
Further technical details		Packaging length	245,00 mm
Characteristics according to EN 61984	16 A 500 V 6 kV 3; 16 A 400/690 V 6 kV 2	Packaging height	165,00 mm
Mating cycles	≥ 500	Packaging width	215,00 mm
Insulation resistance	≥ 10 GΩ	Packaging weight	4,29 kg
Contact resistance	≤ 3 mΩ	Packaging volume	8,69 dm³
Weight	126,00 g	Packaging description	Carton box
Operating temperature range (min, max)	-40 °C ... +125 °C	Packaging quantity	30 Pcs
Conductors stripping length	9...11 mm	Packaging EAN code	8015747170864
UL 94 flammability rating	V-0	Sub-packaging length	197,00 mm
		Sub-packaging height	44,00 mm
		Sub-packaging width	113,00 mm
		Sub-packaging weight	0,72 kg
		Sub-packaging volume	0,98 dm³
		Sub-packaging description	Carton tray
		Sub-packaging quantity	5 Pcs
		Sub-packaging EAN barcode	8015747170871

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Catalogue drawings

Figure 1 displays four schematic diagrams of electrode arrays, labeled CSHF 24 N, CSHF 24, CSHM 24, and CSHM 24 N. The arrays are arranged in a 2x2 grid, with the top row labeled 'F' and the bottom row labeled 'M'. Each diagram shows a 24-electrode array with numbered contacts (1-24) and a ground symbol. The arrays are arranged in a 2x2 grid, labeled F and M at the top.

The graph illustrates the relationship between working current and ambient temperature for various cross-sectional areas of the heating element. The y-axis represents working current in Amperes (A), ranging from 0 to 30. The x-axis represents ambient temperature in degrees Celsius (°C), ranging from 0 to 130. Four curves are shown, each corresponding to a different cross-sectional area: 0.5 mm², 1.0 mm², 1.5 mm², and 2.5 mm². All curves show a decrease in current as temperature increases, with the rate of decrease being more pronounced at higher temperatures. The 2.5 mm² curve starts at approximately 15.2 A at 0°C and drops to 0 A at 125°C. The 1.5 mm² curve starts at approximately 15.2 A at 0°C and drops to 0 A at 125°C. The 1.0 mm² curve starts at approximately 10.0 A at 0°C and drops to 0 A at 125°C. The 0.5 mm² curve starts at approximately 10.0 A at 0°C and drops to 0 A at 125°C.

Ambient Temperature (°C)	0.5 mm² (A)	1.0 mm² (A)	1.5 mm² (A)	2.5 mm² (A)
0	10.0	10.0	15.2	15.2
20	9.0	9.0	14.0	14.0
40	8.0	8.0	12.8	12.8
60	7.0	7.0	11.6	11.6
80	6.0	6.0	10.4	10.4
100	5.0	5.0	9.2	9.2
120	4.0	4.0	8.0	8.0
125	0.0	0.0	0.0	0.0