

CIM120P5 - Header

Number of poles: 12, 16A, 2.5mm², 300V, Pitch 5,08 mm,
Polarized, Connection Angle 180, Green (RAL 6032),
Soldering technology Wave, UL, VDE, IMQ, CSA



Number of poles:	12
Number of levels:	1
Sides configuration:	Polarized
Pitch:	5,08 mm
Voltage:	300 V
Current :	16 A
Wire section:	0.05 ÷ 2.5 mm ²
Available approvals:	UL, VDE, IMQ, CSA

General Data

Features

Screw dimension	na
Operating temperature range	-40°C ÷ 105°C
Contact resistance	<15 mOhm
Insulation resistance	>1 GOhm

Certifications

CSA (n.LR 102896)

Rated voltage	300 V
Nominal current	15 A
Wire section	0

IMQ (n.EM672)

Rated voltage	300 V		
Nominal current	12 A		
Wire section	2.5 mm ²		
Insulating category	I		
Overvoltage category/Pollution degree	III/3	III/2	II/2
Impulse voltage	4kV	4kV	4kV
Rated voltage	250V	300V	600V
Insulation voltage	250V	320V	630V

UL (n.E167473)

Rated voltage	300 V
Nominal current	15 A
Wire section	0

VDE (n.40027448 Reg.-Nr. 112754)

Rated voltage	250 V
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Nominal current	16 A
Wire section	2.5 mm ²
Insulating category	III

Terminal contact	Nickel and tin on copper alloy
NA	NA
Insulating housing material	PA Polyamide
Insulating material group	I (CTI >= 600V)

green	(similar to RAL 6032)
black	(similar to RAL 9005)
light grey	(similar to RAL 7035)
dark gray	(similar to RAL 7040)
orange	(similar to RAL 2003)
blue	(similar to RAL 5012)
red	(similar to RAL 3017)
another colors	(on demand)

Technical drawing of a 4-pin connector. The drawing includes a side view and a top view. Dimensions are provided in inches (") and millimeters (mm).

Side View Dimensions:

- Overall width: 8.35 mm, $.329$ "
- Pin height: 12 mm, $.472$ "
- Pin diameter: 3.5 mm, $.138$ "
- Pin spacing: 3.85 mm, $.152$ "
- Pin length: 3.9 mm, $.153$ "

Top View Dimensions:

- Overall length: $L+6.9$ mm, $L+.272$ "
- Pin pitch: 3.7 mm, $.146$ "
- Pin diameter: 3.2 mm, $.126$ "
- Pin length: 5.08 mm, $.200$ "
- Pin spacing: 1 mm, $.039$ "
- Pin diameter: 1.4 mm, $.055$ "

Derating Curve SAURO CIM mating with CIF

The graph shows the relationship between Rated Current (A) and Ambient Temperature (°C) for SAURO CIM mating with CIF. The y-axis represents Rated Current (A) from 0 to 32 in increments of 2. The x-axis represents Ambient Temperature (°C) from 0 to 125 in increments of 25. Two curves are shown: a dashed magenta line for the 'Basic Curve, 2,5 mm²' and a solid blue line for the 'Derating Curve, 2,5 mm²'. The area under the derating curve is shaded light blue. Both curves start at 0°C. The basic curve starts at approximately 29.5 A, while the derating curve starts at approximately 23 A. Both curves decrease as temperature increases, meeting at approximately 115°C and 0 A.

Ambient Temperature (°C)	Basic Curve, 2,5 mm² (A)	Derating Curve, 2,5 mm² (A)
0	29.5	23.0
25	27.5	21.0
50	25.0	18.5
75	21.0	14.5
100	15.0	10.0
115	0.0	0.0

Reduction factor: 0,8
No. of poles: 4

— Basic Curve, 2,5 mm² — Derating Curve, 2,5 mm²

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