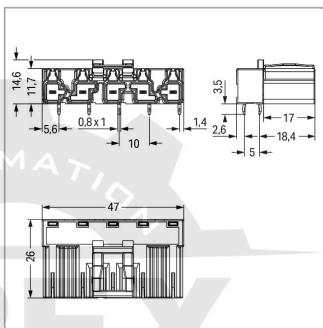
Data sheet | Item number: 770-3115/011-000

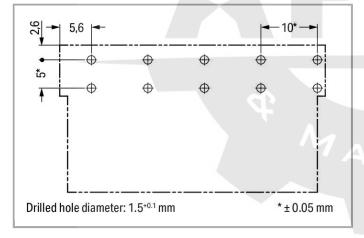
Plug for PCBs; angled; 5-pole; Cod. I

770-3115/011-000









Item description

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

Note:

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All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug /socket).

Safety information 1:

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Data

Electrical data

Note on Contact Resistance

approx. 1mΩ contact resistance

approx. 0.25mΩ contact transition plug/socket

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Approvals per UL 1977	

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	23 A

Connection data

No. of poles	5
Total number of potentials	5
Number of levels	1
Ground function	with preceding GND contact

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	47 mm / 1.85 inch
Height	18.1 mm / 0.713 inch
Height from the surface	14.6 mm / 0.575 inch
Depth	26 mm / 1.024 inch
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	1.5 ^(-0.1 +0.1) mm

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Mechanical data

Coding	I
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Unmating force of a plug-in connection	when unlocked: approx. 20 70 N (depending on pole number)
Number of mating cycles	
	200, without resistive load
	100, with resistive load $I_N = 25A$, tested (4 mm ² /AWG 12)
Design	angled
Marking	N L DA- DA+
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	N L DA- DA+
Plug connection Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes 0°
Mating direction to the PCB Locking of plug-in connection	locking lever
Locking lever	yes
	MACHI
PGB contact	
PCB contact	THT
PCB contact PCB contact Solder pin arrangement	THT 2 in-line solder pins/pole

Color	blue
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.208 MJ
Weight	10.919 g

Data sheet | Item number: 770-3115/011-000

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Environmental Requirements

Surrounding air (operating) temperature	-35 85 ℃
Processing temperature	-5 +40 °C
Continuous operating temperature	-35 +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

Country of origin	DE
GTIN	4045454819699
Customs Tariff No.	85366990990

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
THE PARTY OF THE P	LR Lloyds Register	IEC 61984	02/20050 (E6)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus	UL 1977	E45171
. 71 1	Underwriters Laboratories Inc.		Sec. 9

Compatible products

protection

Item no.: 770-360
Lockout cap; for plugs; 5-pole; separable

Downloads

CAD/CAE - Smart Data

CAD data

3D Download 770-3115/011-000 URL Download





Subject to changes.