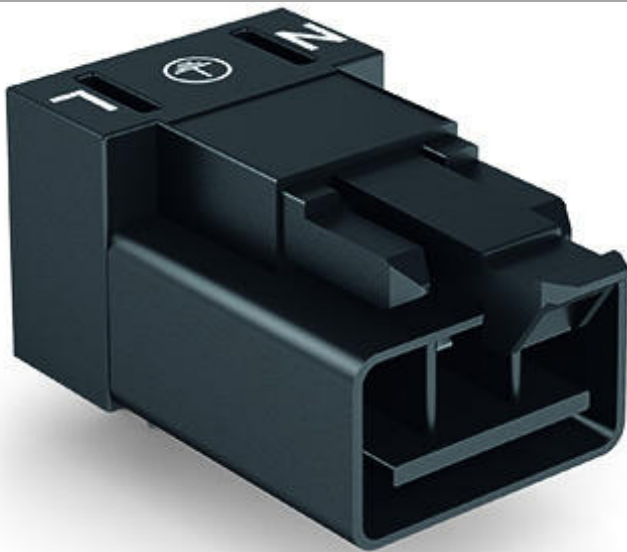
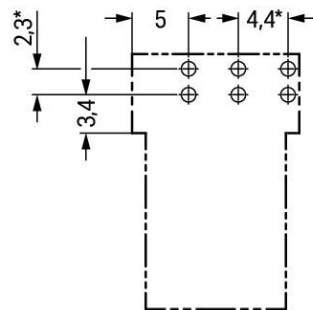
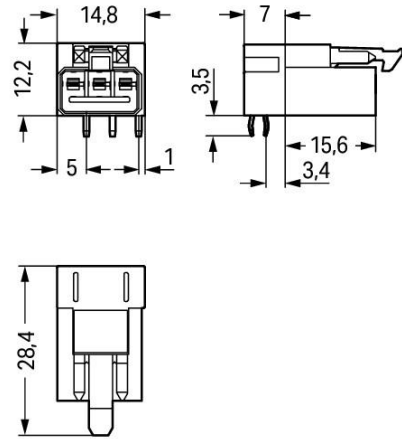




RoHS 
Compliant



Color: 



*± 0.05 mm
Drilled hole diameter: 1.3^{+0.1} mm

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

- Compact design with 4.4 mm pole spacing

Note:

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 5 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

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	14 A

Connection data

No. of poles	3
Total number of potentials	3
Number of levels	1
Ground function	with preceding GND contact

Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	14.8 mm / 0.583 inch
Height	15.7 mm / 0.618 inch
Height from the surface	12.2 mm / 0.48 inch



Depth	28.4 mm / 1.118 inch
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter (tolerance)	1.3 ^(-0.1 ... +0.1) mm

Mechanical data

Coding	A
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 $I_N = 16$ A, tested (1.5 mm ² /16 AWG)

Design	angled
Marking	L N
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	L N

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	0°
Locking of plug-in connection	locking lever
Locking lever	yes

PCB contact

PCB contact	THT
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

Material Data

Color	black
Insulating material	Polyamide 66 (PA 66)

Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.065 MJ
Weight	3.325 g

Environmental Requirements

Surrounding air (operating) temperature	-35 ... 85 °C
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	4050821695691
Customs Tariff No.	39269097900

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61535	NL-49482
	CCA DEKRA Certification B.V.	EN 61535	71-102984
	CCA DEKRA Certification B.V.		NL-49482
	CCA DEKRA Certification B.V.	EN 61535	2182129.01
	CCA DEKRA Certification B.V.	IEC 61535	NL-35632

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	Steel Vessel Rules	14- HG1241513- PDA
	DNV GL	-	TAE00001Z6



Det Norske Veritas, Germanischer Lloyd



DNV GL	-	TAE00001Z6
Det Norske Veritas, Germanischer Lloyd		

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 1977	E45171
	UL International Germany GmbH		
	UL	UL 1977	E45171
	UL International Germany GmbH		

Downloads
CAD/CAE - Smart Data

CAD data

3D Download 890-813/011-000	URL	Download
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Subject to changes.