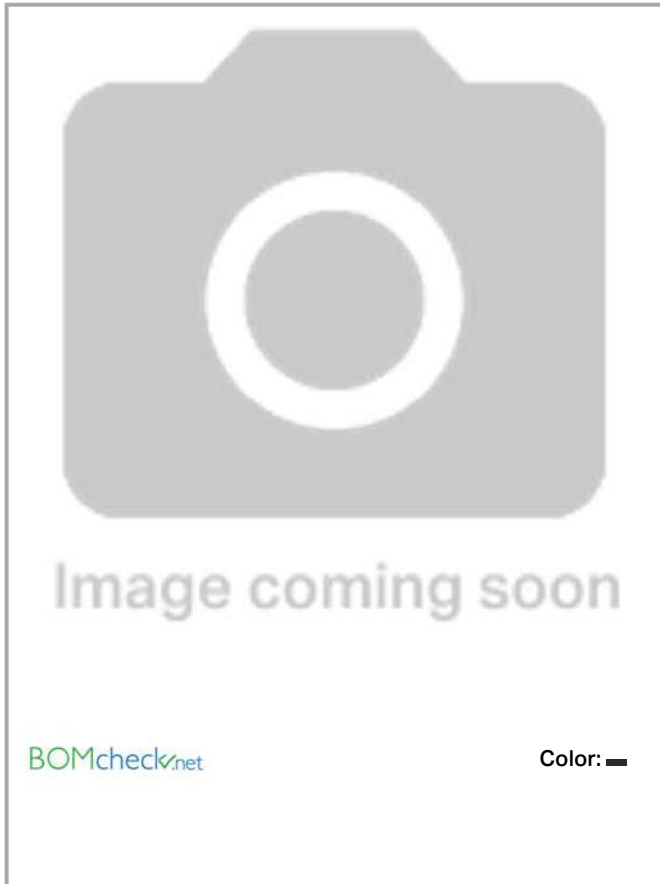


Data sheet | Item number: 770-803/006-000/099-000

Socket for PCBs; straight; 3-pole; Cod. A; black

www.wago.com/770-803_006-000_099-000



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:

Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
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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. 1 mΩ contact resistance approx. 0.25 mΩ contact transition plug/socket
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IEC Approvals

Rated voltage (III / 3)	250 V
Rated surge voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Rated voltage UL 1977	600 V
Rated current UL 1977	23 A

Connection data

Pole No.	3
Total number of potentials	3
Number of levels	1

Physical data

Pin spacing	10 mm / 0.394 inch
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.5 ^(-0.1 ... +0.1) mm

Mechanical data

Mating force of a plug-in connection	Approx. 20 ... 70 N (depending on pole number)
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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 $I_N = 25$ A, tested (4 mm ² /AWG 12)
Design	Straight
Protection type	IP20
Note on protection type	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCBs
Mismating protection	Yes
Mating direction to the PCB	90°
Locking lever	yes
Locking of plug-in connection	locking lever

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
Insulation material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.104 MJ
Weight	5.9 g

Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C

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Note on continuous operating temperature

Insulating parts for temperatures $\leq 105\text{ }^{\circ}\text{C}$

Commercial data

Packaging type	BOX
Country of origin	PL
GTIN	4044918684644
Customs tariff number	85366990990

Installation Notes

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