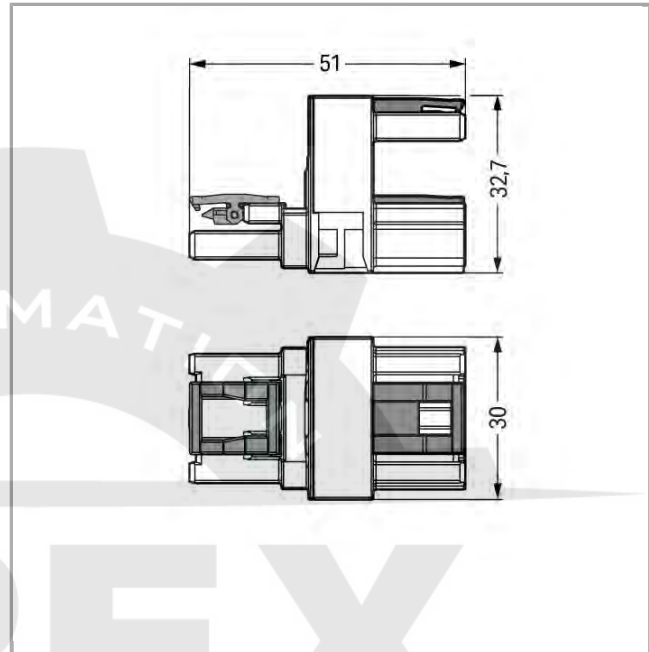


Data sheet | Item number: 770-685

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads



770-685



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:

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).

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	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	3
Total number of potentials	3
Ground function	with preceding GND contact

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	30 mm / 1.181 inch
Height	32.7 mm / 1.287 inch
Depth	51 mm / 2.008 inch

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 $I_N = 25A$, tested (4 mm²/AWG 12)

Type of distribution connector	h-distribution connector, bi-directional
Marking	L N
Protection class	IP20
Note on protection class	Only in mated condition (These compact connectors are not



designed for use in open, easily accessible areas.)

Potential marking	L N
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Plug connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

Material Data

Color	white
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy, surface-treated
Fire load	0.401 MJ
Weight	23.213 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	4045454251574
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105
	CCA DEKRA Certification B.V.	EN 61535	2173495.02

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
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ABS
American Bureau of Shipping

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DNV GL
Det Norske Veritas, Germanischer Lloyd

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LR
Lloyds Register

IEC 61984

02/20050
(E6)

UL-Approvals

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

Compatible products

assembling



Item no.: 770-623
Mounting plate; 3-pole; for distribution connectors; Plastic

770-623



Item no.: 770-673
Mounting plate; 3-pole; for distribution connectors; Plastic

770-673

protection



Item no.: 770-201
Lockout cap; 12-pole, separable; 12-pole; for sockets

770-201



Item no.: 770-221
Lockout cap; for socket; 12-pole; separable

770-221



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

770-360



Downloads
Documentation

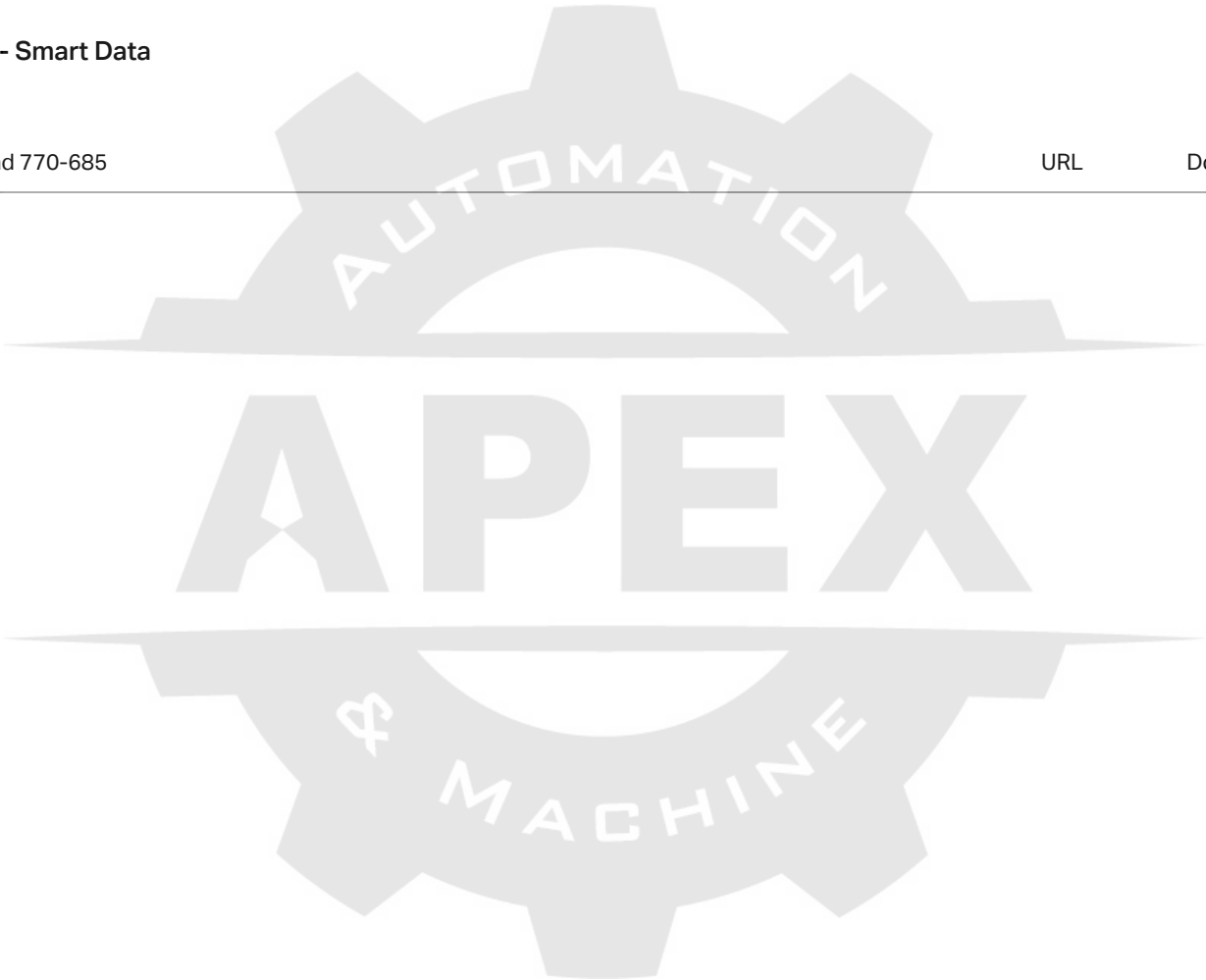
Bid Text

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CAD/CAE - Smart Data

CAD data

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Subject to changes.