Data sheet | Item number: 294-5005
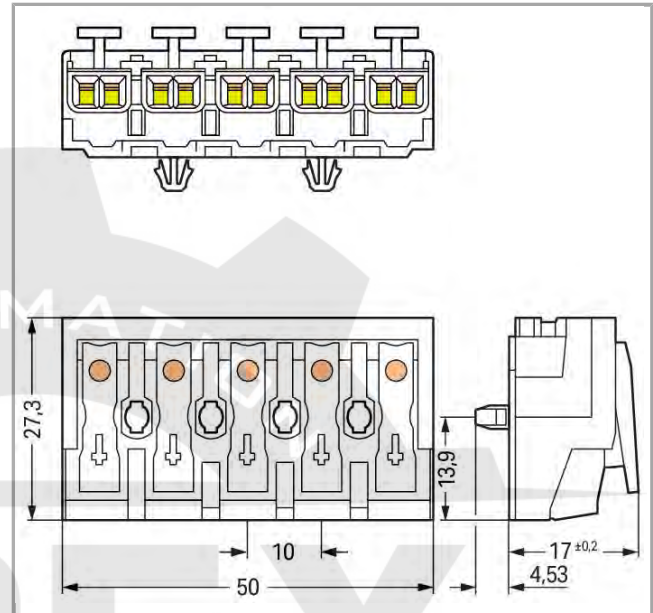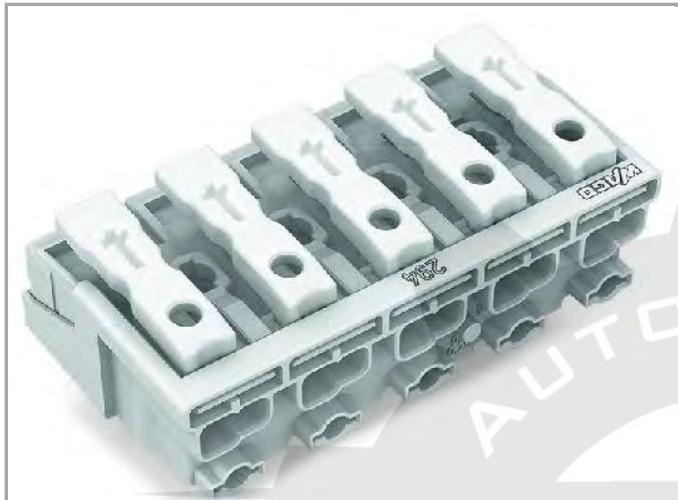
Lighting connector; push-button, external; without ground contact; 5-pole;
Lighting side: for all conductor types; Inst. side: for solid conductors; max.
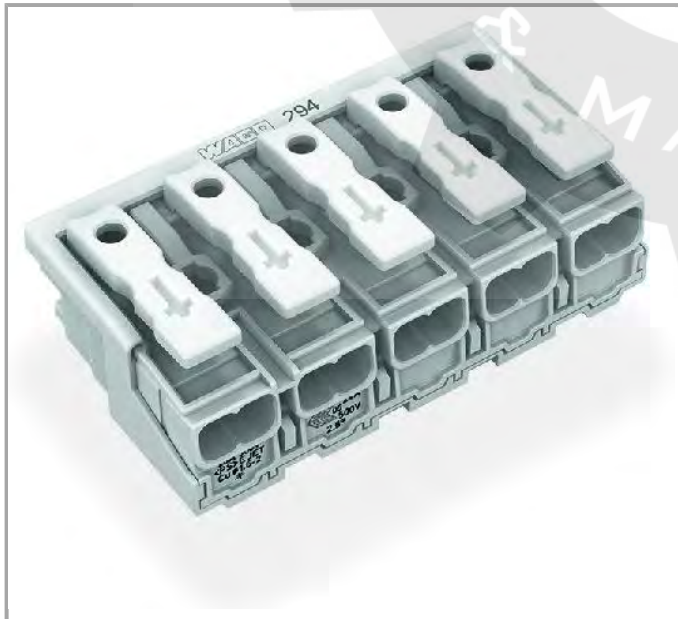2.5 mm²; Ambient temperature: max. 85 °C (T85)

294-5005

RoHS ✓ Compliant   BOMcheck.net   Color:

Item description

- External connection of solid, stranded and fine-stranded conductors
- Universal conductor termination (AWG, metric)
- Third contact at bottom
- Strain relief plate can be retrofitted

Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings note	Connection points
Rated voltage (II / 2)	500 V
Rated impulse voltage (II / 2)	4 kV
Rated current	24 A
Ratings according to 2	IEC/EN 60998-2-2
Ratings note 2	Connection points
Rated voltage (II / 2) 2	500 V
Rated impulse voltage (II / 2) 2	4 kV
Rated current (2)	24 A
Rated current (3)	16 A

Connection data

Connection type (1)	External 1
Connection technology	Push-in CAGE CLAMP®
Number of connection points (connection type)	2
Actuation type	Operating tool Push-button
Connectable conductor materials	Copper
Solid conductor	0.5 … 2.5 mm² / 18 … 12 AWG
Solid conductor, push-in termination	0.5 … 2.5 mm² / 18 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.5 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor with ferrule with plastic collar	0.5 … 1.5 mm² / 18 … 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.5 … 1.5 mm² / 18 … 16 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Connection type (2)	Internal 2
Connection technology 2	PUSH WIRE®
Number of connection points	1
Solid conductor (2)	0.5 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor with insulated ferrule (2)	0.5 … 1 mm² / 18 … 16 AWG

Fine-stranded conductor with uninsulated ferrule (2)	0.5 ... 1.5 mm² / 18 ... 14 AWG
Strip length (2)	8 ... 9 mm / 0.31 ... 0.35 inch
Connection type (3)	Internal 3
Number of connection points	1
Solid conductor (3)	0.5 ... 1.5 mm² / 18 ... 16 AWG
Fine-stranded conductor with insulated ferrule (3)	0.5 ... 0.75 mm² / 18 AWG0.5 ... 0.75mm² / 18 AWG
Fine-stranded conductor with uninsulated ferrule (3)	0.5 ... 1 mm² / 18 AWG
Connection type (4)	Internal 4
Number of connection points	1
Solid conductor (4)	0.5 ... 0.75 mm² / 18 AWG
No. of poles	5
Total number of connection points	25
Total number of potentials	5
Number of connection types	4
Type of wiring	Side-entry wiring

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	50 mm / 1.969 inch
Height from the surface	17 mm / 0.669 inch
Depth	27.3 mm / 1.075 inch

Mechanical data

Mounting type	Snap-in mounting foot
Marking	plain

Material Data

Color	white
Material group	III a
Insulating material	Polycarbonate (PC)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Fire load	0.302 MJ
Weight	15.239 g

Environmental Requirements

Temperature stability	120 °C

Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
Country of origin	CH
GTIN	4050821098157
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

Compatible products

tools

	Item no.: 206-294 Disconnection tool; suitable for removing conductors from PUSH WIRE® contacts	206-294
	Item no.: 294-199 Operating tool; for pressing the snap-in mounting feet into the mounting plate; For safe and easy fitting of the ground contacts; for 294 Series	294-199

Strain relief plate

	Item no.: 294-364 Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp	294-364
	Item no.: 294-370 Strain relief; for 294 Series; with snap-in mounting feet	294-370
	Item no.: 294-375 Strain relief; for 294 Series; without snap-in mounting feet	294-375
	Item no.: 294-384 Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp	294-384

Downloads
Documentation

Bid Text

294-5005		doc 28.7 kB	Download

CAD/CAE - Smart Data

CAD data

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Subject to changes.