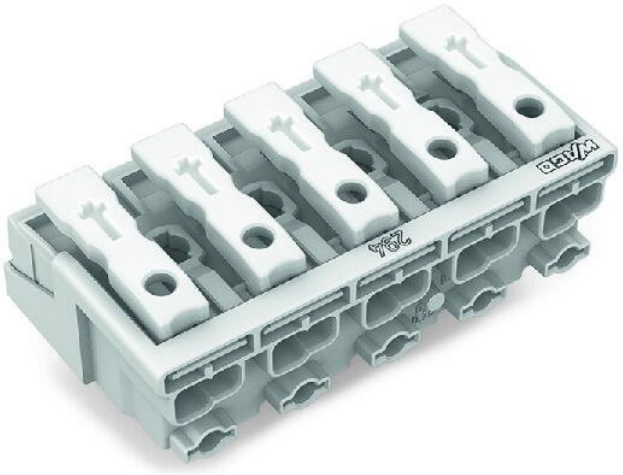
Data sheet | Item number: 294-4005

Lighting connector; push-button, external; without ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

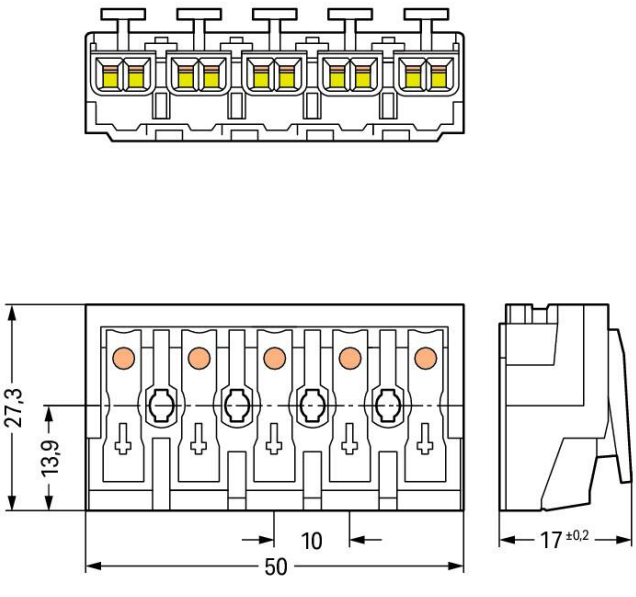
www.wago.com/294-4005



Picture differs from the item.

Color:





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

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Item description

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

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60998-1
Nominal voltage (II/2)	500 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

Ratings per IEC/EN – Notes

Ratings (note)	Connection points

Ratings per IEC/EN 2

Ratings per 2	IEC/EN 60998-2-2
Ratings (note) 2	Connection points
Rated voltage (II/2) 2	500 V
Rated surge voltage (II/2) 2	4 kV
Rated current 2	24 A

Connection data

Connection points	25
Total number of potentials	5
Number of connection types	4
PE function	without PE contact

Connection 1

Connection type 1	External 1

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Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Actuation type	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 insulated ferrule	0.5 … 1.5 mm² / 18 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 … 1.5 mm² / 18 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm² / 18 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches
Pole number	5
Wiring direction	Side-entry wiring

Connection 2

Connection type 2	Internal 2
Connection technology 2	PUSH WIRE®
Number of connection points 2	1
Actuation type 2	Push-in
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 inches

Connection 3

Connection type 3	Internal 3
Connection technology 3	PUSH WIRE®
Number of connection points 3	1
Actuation type 3	Push-in
Solid conductor 3	0.5 … 1.5 mm² / 18 … 16 AWG
Fine-stranded conductor; with insulated ferrule 3	0.5 … 0.75 mm² / 18 AWG
Fine-stranded conductor; with uninsulated ferrule 3	0.5 … 1 mm² / 18 AWG
Strip length 3	8 … 9 mm / 0.31 … 0.35 inches

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

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Connection 4

Connection type 4	Internal 4
Connection technology 4	PUSH WIRE®
Number of connection points 4	1
Actuation type 4	Push-in
Solid conductor 4	0.5 … 0.75 mm² / 18 AWG
Strip length 4	8 … 9 mm / 0.31 … 0.35 inches

Physical data

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

Mechanical data

Marking	plain
Mounting type	without snap-in mounting feet

Material data

Note (material data)	Information on material specifications can be found here
Color	white
Material group	IIIa
Insulation 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
Fire load	0.301 MJ
Halogen-free	Yes
Weight	15.2 g

Environmental requirements

Temperature stability	120 °C

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

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T marking	T85

Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
ECCN	NO DATA
PU (SPU)	250 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821097624
Customs tariff number	85369010000

Environmental Product Compliance

REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	5133d535-1d47-48dd-9373-672ab2c10bd9
SCIP notification number (Belgium)	3f973819-cb80-465b-bb5f-61063bad7572
SCIP notification number (Bulgaria)	df2800dc-a150-43bc-ace7-ad5b01e0bce6
SCIP notification number (Czech Republic)	da63a81c-f1d3-42f5-8613-1a496f4d3cb3
SCIP notification number (Denmark)	3103af50-b593-4610-9dec-931e4f2f3a7e
SCIP notification number (Finland)	ba63370a-655c-4589-8347-7ad0fab69438
SCIP notification number (France)	64274259-5869-4964-8706-0a3cb58f49cb
SCIP notification number (Germany)	34ed2974-e51e-438d-9d68-6f232dbda2b2
SCIP notification number (Hungary)	18ddc02e-321c-4841-bdfe-68f8f7c3a76e
SCIP notification number (Italy)	1d9068db-2175-4646-a527-40cced68dfc5
SCIP notification number (Netherlands)	bbcdbcb6-5197-4fb9-a910-96bf9e324e4d
SCIP notification number (Poland)	1f6c6f8f-c0ea-439d-b61c-0ec70916a94c
SCIP notification number (Romania)	4083fee9-cfb8-4b8a-9176-a34e1d4af43e
SCIP notification number (Sweden)	aab543c9-3435-42f9-8d22-05b9bc5aaae0

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name

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

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	ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Tool

Operating tool



Item no.: 206-294
Disconnection tool; green

www.wago.com/206-294

Strain relief

Strain relief



Item no.: 294-370
Strain relief; for 294 Series; with snap-in mounting feet; white

www.wago.com/294-370

Item no.: 294-375
Strain relief; for 294 Series; without snap-in mounting feet; white

www.wago.com/294-375

Strain relief plate



Item no.: 294-364
Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp; white

www.wago.com/294-364



Item no.: 294-384
Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white

www.wago.com/294-384

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Downloads

Documentation

Bid Text

294-4005 X81 - Datei	2019 年2月19 日	xml 5.7 kB	Download
294-4005 doc - Datei	2017 年6月13 日	doc 28.7 kB	Download

Additional Information

Technical Section Technical explanations		pdf 2.3 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 294-4005	URL	Download

CAE data

WSCAD Universe 294-4005	URL	Download
ZUKEN Portal 294-4005	URL	Download

Asset Administration Shell

Asset Administration Shell 294-4005	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 294-4005 Lighting connector; push-button, external; without ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white	URL	Download

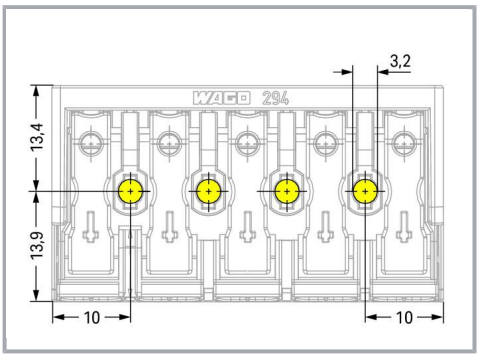
Installation Notes

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

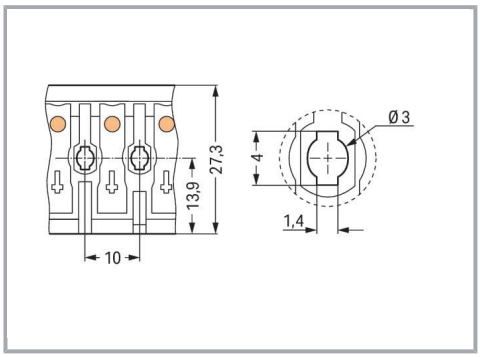
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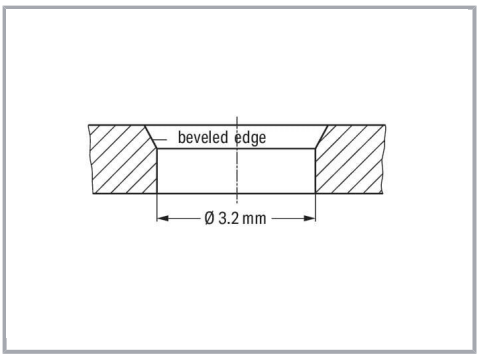
Installation



5-pole – without ground contact

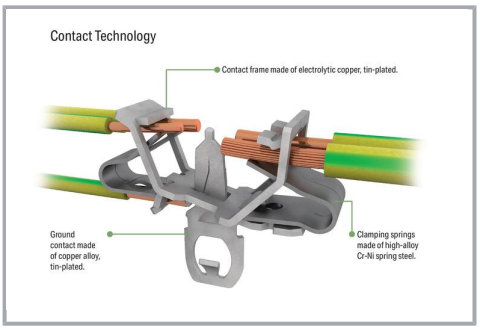


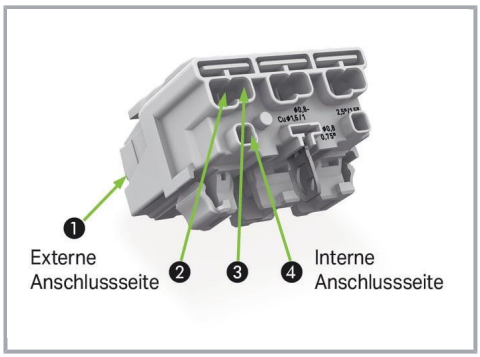
Mounting hole for screw
Notice: The maximum thread diameter for self-tapping screws is 3 mm.



Hole for screw mount
Notice: The maximum thread diameter for self-tapping screws is 3 mm.

Conductor termination





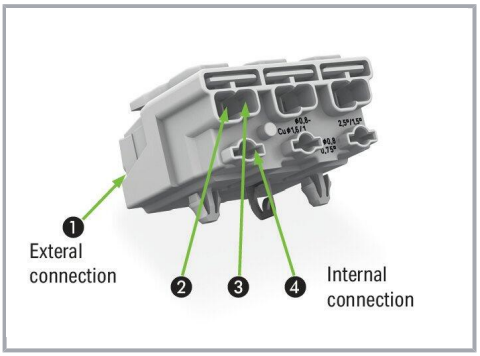
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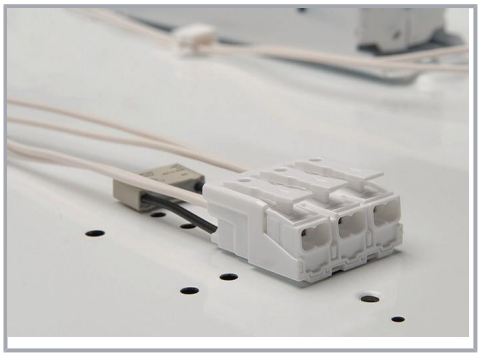
EUROPE
1 x 0.5 … 2.5 mm² "s"
1 x 0.5 … 1.5 mm² "s"
1 x 0.5 … 0.75 mm² "s"
AMERICA
1 x AWG 18 … 14 "s"
1 x AWG 18 … 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 … 1.6 mm diam. "s"
1 x 0.8 … 1 mm diam. "s"
1 x 0.8 mm diam. "s"

EUROPE
2 x 0.5 … 2.5 mm² "s, str, f-str"
AMERICA
2 x AWG 18 … 12 "s"
2 x AWG 18 … 14 "s, f-str"
JAPAN
2 x 0.8 … 2 mm diam. "s"
2 x 0.5 … 2 mm² "str, f-str"

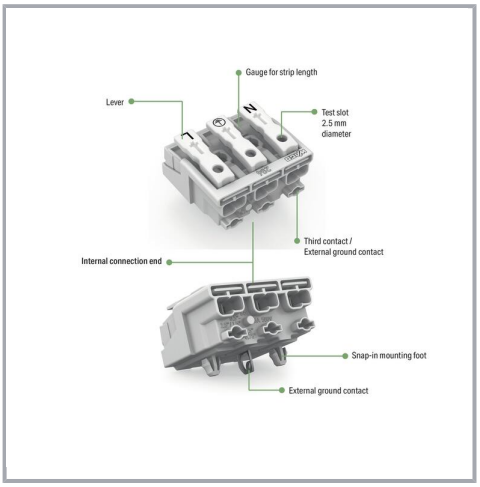
Internal connection:
PUSH WIRE® for internal wiring with solid conductors

External connection:
Push-in CAGE CLAMP® for field-wiring with all conductor types





Terminating five conductors per pole – solid and fine-stranded.



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