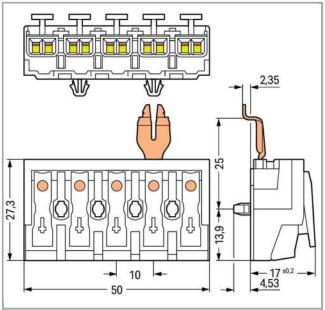
Lighting connector; push-button, external; with angled snap-in ground contact; 5-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white



www.wago.com/294-5355





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

Ratings per IEC/EN 60664-1

IEC/EN 60998-1

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

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Ratings note	Connection points
Rated voltage (II / 2)	500 V
Rated impulse voltage (II / 2)	4 kV
Rated current	24A
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)	16A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

Connection data

Number of connection points (connection type) 2 Actuation type Connectable conductor materials Copper Solid conductor Solid conductor, push-in termination O.5 2,5 mm² / 18 12 AWG Stranded conductor O.5 2,5 mm² / 18 14 AWG Stranded conductor O.5 2,5 mm² / 18 14 AWG Sine-stranded conductor with ferrule with plastic collar O.5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule without plastic collar O.5 1,5 mm² / 18 16 AWG Strip length Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length O.5 1,5 mm² / 18 16 AWG Strip length (2) O.5 2,5 mm² / 18 14 AWG Fine-stranded conductor with insulated ferrule (2) O.5 2,5 mm² / 18 14 AWG Fine-stranded conductor with insulated ferrule (2) O.5 1,5 mm² / 18 14 AWG Fine-stranded conductor with uninsulated ferrule (2) O.5 1,5 mm² / 18 14 AWG Strip length (2) Strip length (2) Runneral 3	Connection type (1)	External 1
Actuation type Operating tool Push-button Connectable conductor materials Copper Solid conductor O,5 2,5 mm² / 18 12 AWG Solid conductor, push-in termination O,5 2,5 mm² / 18 12 AWG Stranded conductor O,5 2,5 mm² / 18 14 AWG Stranded conductor O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with ferrule with plastic collar O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule without plastic collar O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule, push-in termination, from O,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles Connection type (2) Internal 2 Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with insulated ferrule (2) O,5 1 mm² / 18 16 AWG Fine-stranded conductor with uninsulated ferrule (2) O,5 1 mm² / 18 14 AWG Strip length (2) Strip length (2) Internal 3	Connection technology	Push-in CAGE CLAMP®
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 with ferrule with plastic collar 0,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with ferrule without plastic collar 0,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule, push-in termination, from 0,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles 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 2,5 mm² / 18 14 AWG Fine-stranded conductor with uninsulated ferrule (2) 0,5 1,5 mm² / 18 14 AWG Strip length (2) Strip length (2) Internal 3	Number of connection points (connection type)	2
Connectable conductor materials Copper Solid conductor Solid conductor, push-in termination 0,52,5 mm² / 1812 AWG Stranded conductor 0,52,5 mm² / 1814 AWG Fine-stranded conductor 10,52,5 mm² / 1814 AWG Fine-stranded conductor with ferrule with plastic collar 10,51,5 mm² / 1816 AWG Fine-stranded conductor with ferrule without plastic collar 10,51,5 mm² / 1816 AWG Fine-stranded conductor with ferrule, push-in termination, from 10,5 mm² / 18 AWG Strip length 10,0 of poles 11,0 mm² / 18 AWG Strip length 12,0 menction type (2) 13,0 mm² / 1814 AWG 14,0 my² / 1814 AWG 15,0 my² / 1814 AWG 16,0 my² / 1814 AWG 17,0 my² / 1814 AWG 18,0 my² / 1814 AWG 19,0 my² / 1814 AWG 10,5 my² / 1814 AWG 10,5 my² / 1814 AWG 10,5 my² / 1814 AWG 11,5 my² / 1814 AWG	Actuation type	
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 Fine-stranded conductor with ferrule, push-in termination, from 0,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles 5 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		Push-button
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 with ferrule with plastic collar 0,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with ferrule without plastic collar 0,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule, push-in termination, from 0,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles 5 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 1,5 mm² / 18 14 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	Connectable conductor materials	Copper
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 Fine-stranded conductor with ferrule, push-in termination, from 0,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles 5 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 1,5 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	Solid conductor	0,5 2,5 mm ² / 18 12 AWG
Fine-stranded conductor O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with ferrule with plastic collar O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule without plastic collar O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule, push-in termination, from O,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles 5 Connection type (2) Internal 2 Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with insulated ferrule (2) O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with uninsulated ferrule (2) O,5 1,5 mm² / 18 14 AWG Strip length (2) Strip length (2) Internal 3	Solid conductor, push-in termination	0,5 2,5 mm ² / 18 12 AWG
Fine-stranded conductor with ferrule with plastic collar O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule without plastic collar O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with ferrule, push-in termination, from O,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles Connection type (2) Internal 2 Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with insulated ferrule (2) O,5 1,5 mm² / 18 16 AWG Fine-stranded conductor with uninsulated ferrule (2) Strip length (2) Number of connection points Internal 3	Stranded conductor	0,5 2,5 mm² / 18 14 AWG
Fine-stranded conductor with ferrule without plastic collar Fine-stranded conductor with ferrule, push-in termination, from O,5 mm² / 18 16 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles Connection type (2) Internal 2 Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) Fine-stranded conductor with insulated ferrule (2) Fine-stranded conductor with uninsulated ferrule (2) Strip length (2) Strip length (2) Internal 3	Fine-stranded conductor	0,5 2,5 mm² / 18 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from O,5 mm² / 18 AWG Strip length 8 9 mm / 0.31 0.35 inch No. of poles 5 Connection type (2) Internal 2 Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) Fine-stranded conductor with insulated ferrule (2) Fine-stranded conductor with uninsulated ferrule (2) O,5 1,5 mm² / 18 14 AWG Strip length (2) Strip length (2) Nema / 18 14 AWG Strip length (3) Internal 3	Fine-stranded conductor with ferrule with plastic collar	0,5 1,5 mm ² / 18 16 AWG
Strip length 8 9 mm / 0.31 0.35 inch No. of poles 5 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 1,5 mm² / 18 16 AWG Strip length (2) 8 9 mm / 0.31 0.35 inch Connection type (3) Internal 3	Fine-stranded conductor with ferrule without plastic collar	0,5 1,5 mm² / 18 16 AWG
No. of poles 5 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	Fine-stranded conductor with ferrule, push-in termination, from	0,5 mm² / 18 AWG
Connection type (2) Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) Fine-stranded conductor with insulated ferrule (2) Fine-stranded conductor with uninsulated ferrule (2) Strip length (2) Connection type (3) Internal 2 PUSH WIRE® PUSH WIRE® 0,5 2,5 mm² / 18 14 AWG 0,5 1,5 mm² / 18 16 AWG Internal 3	Strip length	8 9 mm / 0.31 0.35 inch
Connection technology 2 PUSH WIRE® Number of connection points 1 Solid conductor (2) Fine-stranded conductor with insulated ferrule (2) Fine-stranded conductor with uninsulated ferrule (2) Strip length (2) Connection type (3) PUSH WIRE® PUSH WIRE® 1 0,5 2,5 mm² / 18 14 AWG 0,5 1 mm² / 18 16 AWG Internal 3	No. of poles	5
Number of connection points 1 Solid conductor (2) O,5 2,5 mm² / 18 14 AWG Fine-stranded conductor with insulated ferrule (2) O,5 1 mm² / 18 16 AWG Fine-stranded conductor with uninsulated ferrule (2) O,5 1,5 mm² / 18 14 AWG Strip length (2) Strip length (2) Number of connection points 1 O,5 2,5 mm² / 18 14 AWG Number of connection points 1 O,5 2,5 mm² / 18 14 AWG Internal 3	Connection type (2)	Internal 2
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	Connection technology 2	PUSH WIRE [®]
Fine-stranded conductor with insulated ferrule (2) O,5 1 mm² / 18 16 AWG Fine-stranded conductor with uninsulated ferrule (2) O,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
Fine-stranded conductor with uninsulated ferrule (2) O,5 1,5 mm² / 18 14 AWG Strip length (2) 8 9 mm / 0.31 0.35 inch Connection type (3) Internal 3	Solid conductor (2)	0,5 2,5 mm² / 18 14 AWG
Strip length (2) 8 9 mm / 0.31 0.35 inch Connection type (3) Internal 3	Fine-stranded conductor with insulated ferrule (2)	0,5 1 mm² / 18 16 AWG
Connection type (3) Internal 3	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
Number of connection points 1	Connection type (3)	Internal 3
	Number of connection points	1

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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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
Total number of connection points	25
Total number of potentials	5
Number of connection types	4
Type of wiring	Side-entry wiring
Ground function	with angled snap-in ground contact

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	3-N-PE-1-2	

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	16.2 g

Environmental Requirements

Temperature stability	120°C
T-Kennzeichung	T85

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

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Commercial data

Product Group	8 (Misc. Chassis Mount Blocks)
Packaging type	bag
Country of origin	PL
GTIN	4050821098553
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
/ 3 //or	ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01

Counterpart

Compatible products

Strain relief plate

dis.	Item no.: 294-364	www.wago.com/294-364
September 1	Strain relief plate; for 294 Series; for multicore cables; 3- to 5-pole; with secured clamp; white	www.wago.com/294-304
Girp	Item no.: 294-370	www.wago.com/204_270
(ME)	Strain relief; for 294 Series; with snap-in mounting feet; white	www.wago.com/294-370
200	Item no.: 294-375	
(H)	Strain relief; for 294 Series; without snap-in mounting feet; white	www.wago.com/294-375
देवे	Item no.: 294-384	
A TOTAL PARTY	Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white	www.wago.com/294-384
tools		
1	Item no.: 206-294	www.waga.com/206-204
	Disconnection tool	www.wago.com/206-294
	Item no.: 294-199	
	Operating tool; for pressing the snap-in mounting feet into the mounting plate; For fitting ground	www.wago.com/294-199
	contacts; for 294 Series	

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Downloads

Documentation

Bid Text

294-5355 GAEB X81 - Datei	Feb 19, 2019	xml 5.7 kB	Download
294-5355 doc - Datei	Jun 13, 2017	doc 29.2 kB	Download
Additional Information Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download

CAD/CAE-Data

CAD data

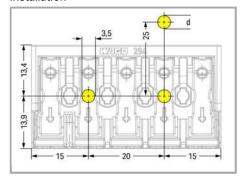
2D/3D Models 294-5355 URL Download

CAE data

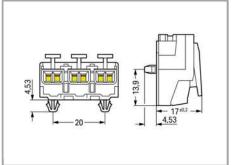
WSCAD Universe 294-5355 URL Download

Installation Notes

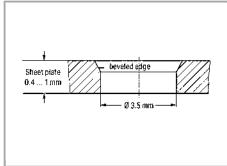
Installation



5-pole –with snap-in ground contact, d = 4.9 mm



Snap-in mounting foot



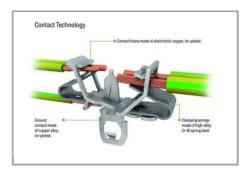
Drilled hole for snap-in mounting foot

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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"	

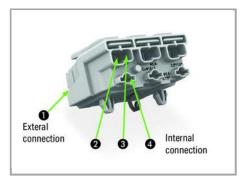
EUROPE	
2 x 0.5 2.5 mm ² "s, str, f-str"	
AMERICA	
2 x AWG 18 12 "s"	
2 x AWG 18 14 "s, f-str"	
JAPAN	
2 x 0.8 2 mm diam. "s"	
2 x 0.5 2 mm2 "str, f-str"	

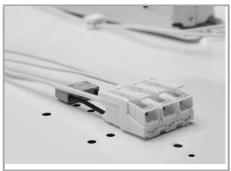
Internal connection:

External connection:

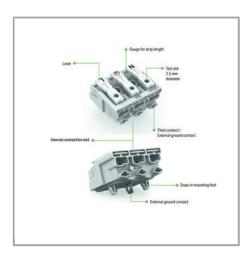
PUSH WIRE® for internal wiring with solid conductors

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





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



 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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