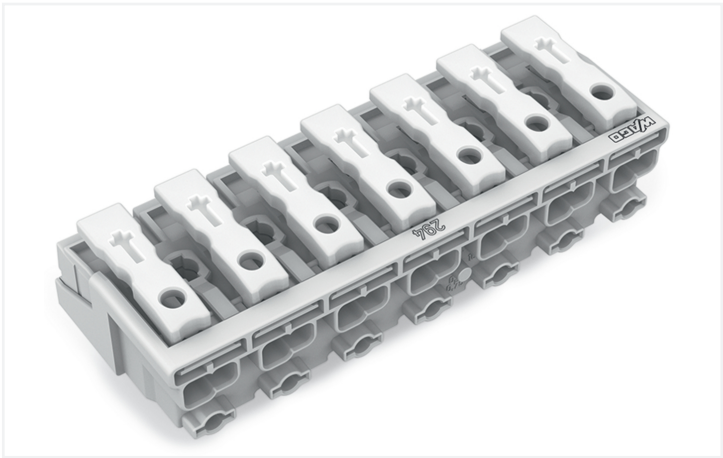


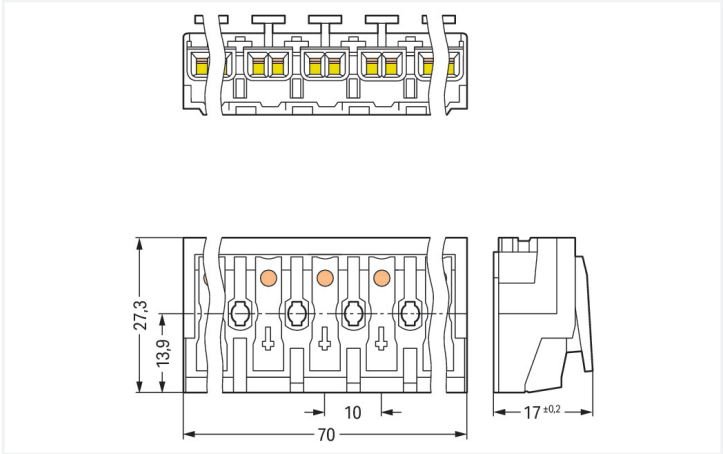
Data Sheet | Item Number: 294-4007

Lighting connector; push-button, external; without ground contact; 7-pole; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); white

<https://www.wago.com/294-4007>



Color: white



Dimensions in mm

Field-wiring terminal block, 294 Series, push-button

This field-wiring terminal block (item number 294-4007) streamlines wire connections, making them both quick and easy. Strip lengths must be between 8 mm and 9 mm when connecting conductors to this field-wiring terminal block. This product features four conductor terminals and utilizes Push-in CAGE CLAMP® as well as PUSH WIRE®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without the need for tools—all thanks to its pluggable design. Our tried-and-tested PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Depending on the type of conductor, this field-wiring terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 2.5 mm² on one side and for conductor cross sections from 0.5 mm² to 2.5 mm² on the other side as well as conductor cross sections from 0.5 mm² to 1.5 mm² and from 0.5 mm² to 0.75 mm². Seven potentials can connect seven poles using the thirty-five clamping points. The contacts are made of electrolytic copper (ECu), the white housing is made of polycarbonate (PC) for insulation, and the clamping spring is made of chrome-nickel spring steel (CrNi). The contact surface is coated with tin.

Electrical data				
Ratings per		IEC/EN 60998-1		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	-	-	500 V	
Rated surge voltage	-	-	4 kV	
Rated current	-	-	24 A	

Ratings per IEC/EN – Notes	
Ratings (note)	Connection points



Ratings per	IEC/EN 60998-2-2		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	500 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Connection data

Clamping units	35
Total number of potentials	7
Number of connection types	4
PE function	without PE contact

Connection 1

Connection type	External 1
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	7
Wiring direction	Side-entry wiring

Connection 2

Connection type	Internal 2
Connection technology	PUSH WIRE®
Number of connection points	1
Actuation type	Push-in
Solid conductor	0.5 ... 2.5 mm² / 18 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1.5 mm² / 18 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Connection 3

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

Connection 4

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



Physical data	
Pin spacing	10 mm / 0.394 inches
Width	70 mm / 2.756 inches
Height	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 (main housing)	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	0.417 MJ
Halogen-free	Yes
Weight	21.2 g


Environmental requirements	
Temperature stability	120 °C
T marking	T85


Commercial data	
Product Group	8 (Misc. Chassis Mount Blocks)
PU (SPU)	200 pcs
Packaging type	Foil
Country of origin	CH
GTIN	4050821097648
Customs tariff number	85369010000



Product classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
ECCN	NO US CLASSIFICATION



Environmental Product Compliance	
REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	1741b153-5fb8-4a8a-9cbc-50864c9b27f6
SCIP notification number (Belgium)	540cb780-ccae-41a0-a7da-cd1991cb82f7
SCIP notification number (Bulgaria)	2fe5c944-1e83-4a08-8dd7-8baa16e12bcc
SCIP notification number (Czech Republic)	dc655a17-98bb-4289-96a4-3a5cbf56168f
SCIP notification number (Denmark)	3bb8894d-f971-4d61-b74a-ad6cbf61ecd7
SCIP notification number (Finland)	10ecba2a-5f0f-40e2-aa51-1f15666c5b75
SCIP notification number (France)	abb5d30a-3f37-486b-a65f-90897f5384b8
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SCIP notification number (Italy)	687d8f9b-afb0-4f9d-a02f-1eadf448d217
SCIP notification number (Netherlands)	94ebb6e2-b720-4b14-94fc-c3f6f9b4195e
SCIP notification number (Poland)	4bd8dd64-279a-4d96-86ce-c1e3a1b2e23c
SCIP notification number (Romania)	dca54e23-a2ce-46f7-aabb-23da9e05f432
SCIP notification number (Sweden)	758c9658-aa15-4a2c-af7b-64186dc95f97

Approvals / Certificates											
General approvals		Declarations of conformity and manufacturer's declarations									
											
Approval	Standard	Certificate Name									
ENEC 05 DEKRA Certification B.V.	EN 60998	2128791.01									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 294-4007	

Documentation			
Bid Text			
294-4007	19.02.2019	xml 5.57 KB	
294-4007	13.06.2017	doc 28.00 KB	



CAD/CAE-Data

CAD data	CAE data
2D/3D Models 294-4007	WSCAD Universe 294-4007
↓	↓
	ZUKEN Portal 294-4007
	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Strain relief

1.1.1.1 Strain relief



Item No.: 294-370

Strain relief; for 294 Series; with snap-in mounting feet; white



Item No.: 294-375

Strain relief; for 294 Series; without snap-in mounting feet; white

1.1.1.2 Strain relief plate



Item No.: 294-364

Strain relief plate; for 294 Series; for multi-core cables; 3- to 5-pole; with secured clamp; white



Item No.: 294-384

Strain relief plate; for 294 Series; for single strands; 3- to 5-pole; with secured clamp; white

1.1.2 Tool

1.1.2.2 Operating tool

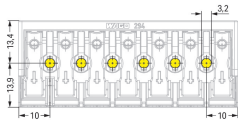


Item No.: 206-294

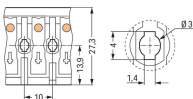
Disconnection tool; green

Installation Notes

Installation

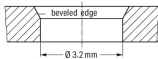


7-pole – without ground contact



Mounting hole for screw

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

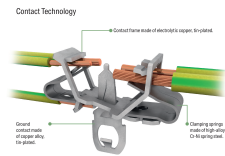


Hole for screw mount

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

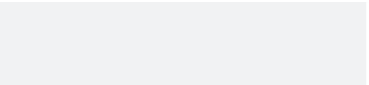
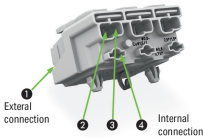


Conductor termination



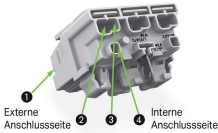
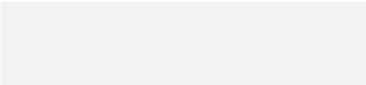
EUROPE
1 x 0.5 ... 2.5 mm² "s"
1 x 0.5 ... 1.5 mm² "s"
1 x 0.5 ... 0.75 mm² "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

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.

