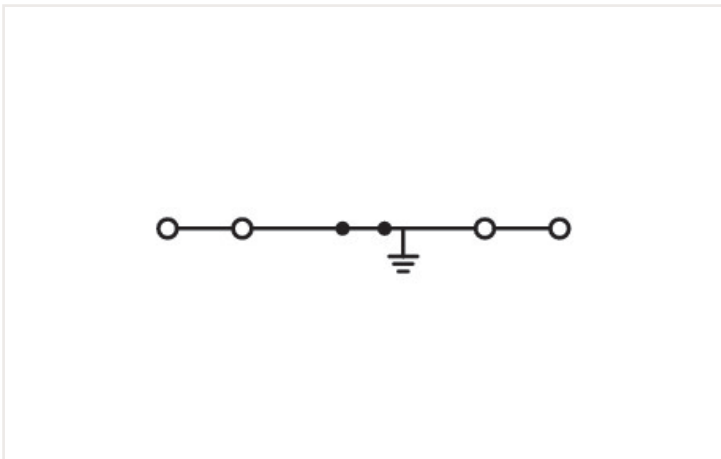
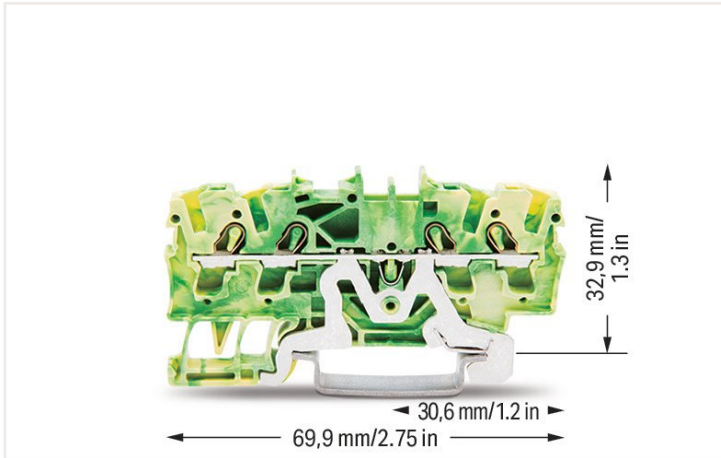


## Adatlap | Cikkszám: 2002-1407

4 vezetékes földelő sorkapocs; 2,5 mm<sup>2</sup>; megfelelő Ex e II alkalmazásokhoz; oldalsó és középső jelölés; DIN 35 x 15 és DIN 35 x 7,5 sínhez; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; zöld-sárga



### Elektromos adatok

#### Minősítés az IEC/EN 60664-1 szerint

Értékelés a(z) szerint

IEC/EN 60947-7-2

#### Robbanásvédelmi információk

Reference hazardous areas

See Downloads – Documentation – Additional Information: Technical Section; Technical explanations

### Csatlakozástechnikai adatok

Csatlakozóhelyek száma	4
Potenciálok összes száma	1
Szintek száma	1
Áthidalások száma	2

Connection 1	
Csatlakozás-technológia	Push-in CAGE CLAMP®
Beavatkozás típusa	Benyomható Működtető szerszám
Csatlakoztatható vezetékanyagok	Réz
Névleges keresztmetszet	2,5 mm <sup>2</sup>
Tömör vezeték	0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG
Tömör vezeték, push-in (benyomható) bekötés	0,75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG
Hajlékony vezeték	0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG
Finom elemiszálás vezeték érvéghüvellyel, műanyag gallérral	0,25 ... 2,5 mm <sup>2</sup> / 22 ... 14 AWG

**Connection 1**

Finom elemiszálás vezeték érvég hüvelyel, push-in csatlakozással	1 ... 2,5 mm <sup>2</sup> / 18 ... 14 AWG
Megjegyzés (vezeték keresztmetszet)	A vezeték tulajdonságaitól függően kisebb keresztmetszetű vezetéket is lehet csatlakoztatni push-in csatlakoztatással.
Csupaszolási hossz	10 ... 12 mm / 0.39 ... 0.47 inch
Vezetékezési mód	Felső bekötés

**Fizikai adatok**

Szélesség	5,2 mm / 0.205 inch
Magasság	69,9 mm / 2.752 inch
Length from upper-edge of DIN-35 rail	32,9 mm / 1.295 inch

**Mechanikai adatok**

Szerelés típusa	DIN 35 kalapsín
Feliratfelület	Középső/oldalsó jelölés

**Anyag információk**

Note (material data)	<a href="#">Information on material data can be found here</a>
Szín	zöld-sárga
Szigetelő anyagcsoport	I
Szigetelő anyaga	Poliamid 66 (PA 66)
UL 94 szerinti gyúlékonysági osztály	V0
Tűzterhelés	0.118 MJ
Tömeg	10.1 g

**Környezeti feltételek**

Processing temperature	-35 ... +85 °C
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**Kereskedelmi adatok**

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 8.0	EC000901
ETIM 7.0	EC000901
Csomagolási egység	100 Stück
Csomagolás típusa	Box
Származási ország	DE
EAN/VTSZ	4017332999311
Vámtartifaszám	85369010000

## Tanúsítványok / Jóváhagyások

## Ex-tanúsítványok



Jóváhagyás	Szabvány	Tanúsítvány neve
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 03 ATEX 1162 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
CCCEX CQST/CNEEx	CNCA-C23-01	2020312313000238
EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U)
IECEX Physikalisch Technische Bundesanstalt	IEC 60079	IECEX PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb)

## Országspecifikus tanúsítványok



Jóváhagyás	Szabvány	Tanúsítvány neve
CCA DEKRA Certification B.V.	EN 60947	71-120369
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7892
CCA DEKRA Certification B.V.	C22.2 No. 158	1536069

## Hajózási tanúsítványok



Jóváhagyás	Szabvány	Tanúsítvány neve
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
BV Bureau Veritas S.A.	EN 60947	38586/A0 BV
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
LR Lloyds Register	EN 60947	91/20112 (E9)

## UL-tanúsítványok



Jóváhagyás	Szabvány	Tanúsítvány neve
UL Underwriters Laboratories Inc.	UL 1059	E45172

## Letöltések

## Environmental Product Compliance

## Compliance Search

Environmental Product Compliance 2002-1407



## Documentation

## Additional Information

Technical Section

pdf  
2142.18 KB



## Bid Text

2002-1407

29.04.2019

xml  
3.80 KB



2002-1407

23.04.2019

docx  
14.61 KB

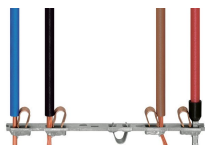


## CAD/CAE-Data

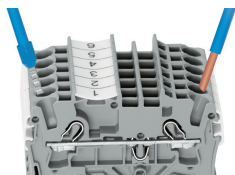
CAD data	CAE data
2D/3D Models 2002-1407	EPLAN Data Portal 2002-1407
	WSCAD Universe 2002-1407
	ZUKEN Portal 2002-1407

## Szerelési útmutató

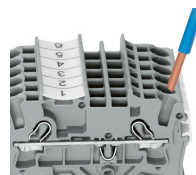
## Vezetékbekötés



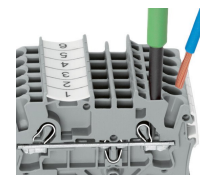
All conductor types at a glance



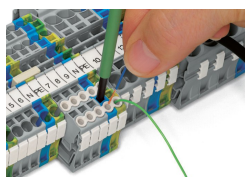
Push-in termination of solid and ferruled conductors



Inserting a conductor via push-in termination:  
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

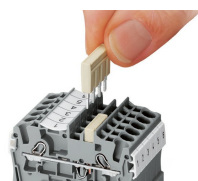


Inserting a conductor via operating tool:  
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.  
Advantage:  
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

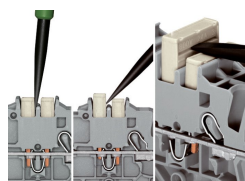


Conductor termination – insulation stop

## Összekötés

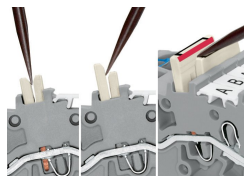
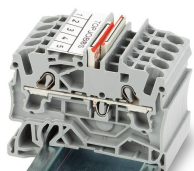


Insert push-in type jumper bar and push down until it hits backstop.



Removing a push-in type jumper bar:  
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.  
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

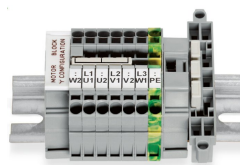
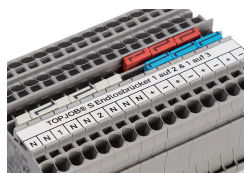
Összekötés



Orient the staggered jumpers' red stripes on the inside. Insert the staggered jumper and push down until it hits the backstop.

Removing a staggered jumper: Insert the operating tool between the staggered jumpers, then lift up the jumper.

Összekötés

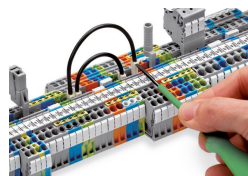


Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.

The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.

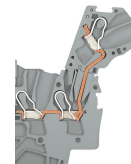
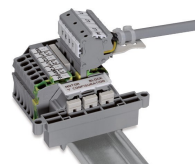
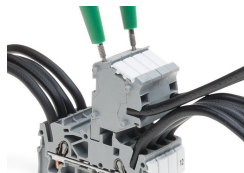
This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.

This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

Ellenőrzés



The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.

TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester

Rail-mount terminal block assembly for electric motor wiring

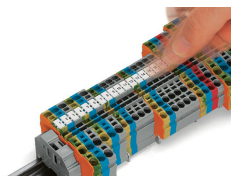
L-type test plug module – cross-sectional view of contacts



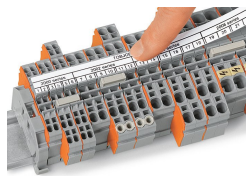
Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

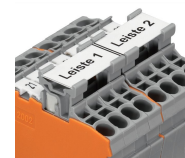
## Jelölés



Snapping WMB Inline markers into marker slots.



TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks  
Do not use on an end plate!



Using marker carriers for marking strips (2002-161) in jumper slots.