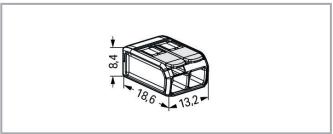
COMPACT splicing connector; 2-conductor; with operating levers;

transparent housing; Ex

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Item description

Safety Information:

221 Series LEVER-NUTS® for Ex splicing connectors obtain AEx (class 1, zone 1) rating when used in conjunction with the mounting carrier, which can either be clamped onto a DIN rail or screwed tightly to any smooth surface.

This component is only approved in conjunction with mounting adapter (221-501). The mounting carrier fulfills the standard requirement for securing the clamping point. When the connectors are placed flush together within the carrier, the working voltage is 275 V. For applications with working voltages up to 440 V, the connectors are inserted so that there is a visible space between each connector.

Data Notes

Notes	
Safety information 1	The permissible operating voltage of the connector with carrier (440 V or 275 V) depends on the mounting type.
Safety information 2	Only approved in conjunction with a mounting carrier (221-501). Other carriers are possible, see certificate/file. The connectors must be installed in an enclosure meeting the requirements of a recognized protection type per EN 60079-0, Section 1 or EN 60079-31. When installing the connectors in an enclosure of protection type "eb" (increased safety) per EN 60079-7, the clearances and

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creepage distances of Table 2 for this standard must be observed.

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See point 1 for the use of accessories. The connectors can be used both in Group II and Group I, as the standard requirements are identical in this case.

The use of these components requires a new assessment by a notified certification agency.

Electrical data

Ratings per	IEC/EN 60079-7
Approvals per	UL 60079
Rated voltage UL (Use Group C)	440 V
Rated current UL (Use Group C)	20 A
Ratings per	ATEX: PTB 18 ATEX 1019 U / IECEx: PTB 18.0045U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	24.5 A

Connection data

Total number of connection points	2
Total number of potentials	1
Connection technology	CAGE CLAMP [®]
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.2 4 mm² / 24 12 AWG
Stranded conductor	0.2 4 mm² / 24 12 AWG
Fine-stranded conductor	0.14 4 mm² / 24 12 AWG
Strip length	11 mm / 0.43 inch
Wiring direction	Side-entry wiring

Physical data

Width	13.2 mm / 0.52 inch
Height	8.6 mm / 0.327 inch
Depth	18.8 mm / 0.732 inch

Material data

Color	transparent
Flammability class per UL94	V2
Fire load	0.025 MJ

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

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Color of a	ctuator	light gray	
Weight		1.9 g	
Environm	ental requirements		
	us operating temperature	-55 +105 °C	
Continuot	as operating temperature	35 100 G	
Commerc	cial data		
PU (SPU)		1000 (100) Stück	
Packaging	g type	box	
Country o	f origin	DE	
GTIN		4055143837422	
Customs	tariff number	85369010000	
Approvals	s / Certificates		
Ex-Approva			
Logo	Approval	Additional Approval Text	Certificate name
	AEx	UL 60079	E185892
<i>AE</i> x	Underwriters Laboratories Inc.		
	ATEX	IEC 60079-0	PTB 18 ATEX 1019
$\langle E_{x} \rangle$	Physikalisch Technische Bundesanstalt		U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
Ex e IIC Gt	CCCEx CQST/CNEx	CNCA-C23-01	2020312313000184
ERC E	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02.B. 00127/19
IECE	IECEx Physikalisch Technische Bundesanstalt	IEC 60079-0	IECEx PTB 18.0045 U (Ex eb IIC Gb or Ex eb I Mb)
Country spe	ecific Approvals		
Logo	Approval	Additional Approval Text	Certificate name
	changes. Please also observe the further product doc		
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CCA

DEKRA Certification B.V.

EN 60998

NTR NL-7827

71-

KEMA

KEMA/KEUR

DEKRA Certification B.V.

EN 60998

113253

Ship Approvals

Logo Approval

LR

Additional Approval Text Certificate name

name

R

Lloyds Register

EN 60998

04/20013

(E8)

UL-Approvals

Logo Approval

Certificate

name



UL

Underwriters Laboratories Inc.

UL 486C

Additional Approval Text

E69654

Optional accessories

Mounting adapter

Mounting accessories



Item no.: 221-501

Mounting carrier, 221 series (24-12 AWG); for DIN-35 rail/panel mount; white, Ex

www.wago.com/221-501

this is lift

Item no.: 221-500/000-006

Mounting carrier; 221 series (24 - 12 AWG); for DIN-35 rail/panel mount; blue

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/000-006

Downloads

Documentation

Bid Text

221-482

May 21, 2019

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ZZ 1-40Z	May 21, 2019	xml	Download
X81 - Datei		4.2 kB	
System Description			
System Description 221-482, 221-483, 221-485		pdf	Download
System Description 221-482, 221-483, 221-485		1.2 MB	
Additional Information			
Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
CAD files			
CAD data			
2D/3D Models 221-482		URL	Download
CAE data			
ZUKEN Portal 221-482		URL	Download
Environmental Product Compliance			
·			
Compliance Search			
Environmental Product Compliance 221-482		URL	Download
COMPACT Splicing Connector; for all conductor types; for Ex e applications; max. 4 $$ mm 2 ; 2-conductor; with levers; transparent housing; Operating temperature (max.):			
COMPACT Splicing Connector; for all conductor types; for Ex e applications; max. 4		URL	Download

Installation Notes

105 °C; 4,00 mm²; transparent

Conductor termination

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Strip conductor to 11 mm (0.43 inch). Then, lower the lever to close the clamp. Termination: Lift the lever to open the clamping unit and insert a stripped conductor. Removing a conductor. Inserting a connector into the mounting Removing a connector from the mounting carrier. Mounting type (440 V) Mounting type (440 V) Mounting type (440 V) Using spacers between the connectors. Vertical mounting on DIN-35 rail Horizontal screw mounting on a flat surface Subject to changes. Please also observe the further product documentation!

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Mounting type (440 V) Mounting the carrier via non-conductive screws.	Mounting type (275 V) No spacers are used between the connectors.	Mounting type (275 V) Mounting the carrier using conductive screws.
Testing Facility to at inserted composters in the carrier.		
Easily test inserted connectors in the carrier –		
however they are mounted.		

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