

3274172

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Distribution block, Block with horizontal alignment and integrated supply, nom. voltage: 690 V, nominal current: 41 A, number of connections: 7, connection method: Push-in connection, Line contact, Rated cross section:  $6~\text{mm}^2$ , cross section:  $0.5~\text{mm}^2$  -  $10~\text{mm}^2$ , Push-in connection, Load contact, cross section:  $0.14~\text{mm}^2$  -  $4~\text{mm}^2$ , mounting type: NS 15, color: yellow

### Your advantages

- · Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- · Clear wiring, thanks to eleven different color variants
- · Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Time savings of up to 80 %, thanks to ready-to-mount blocks without manual bridging
- Space savings of up to 50 % on the DIN rail, thanks to transverse mounting

#### Commercial data

Item number	3274172
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE09
Product key	BEA122
Catalog page	Page 445 (C-1-2019)
GTIN	4055626393803
Weight per piece (including packing)	21.44 g
Weight per piece (excluding packing)	9.99 g
Customs tariff number	85369010
Country of origin	PL



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### Technical data

#### Notes

General	the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories
General	
Note	The maximum load current of a single clamping unit must not be exceeded.
	For power distribution applications, IEC 60364-4-43.2008; modified + corrigendum Okt. 2008 (DIN VDE 0100-430:2010-10) section 433.2 ff must be observed!

### Product properties

Product type	Distributor terminal block
Number of connections	7
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III

3

## Electrical properties

Degree of pollution

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

#### Connection data

Service Entrance	yes
Number of connections per level	7
Nominal cross section	2.5 mm <sup>2</sup>
Rated cross section AWG	14

#### Load contact

Stripping length	8 mm 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm² 4 mm²
Cross section AWG	26 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section, flexible [AWG]	26 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² 2.5 mm²
Nominal current	24 A
Maximum load current	32 A (with 4 mm² conductor cross section)
Maximum total current	57 A (with 10 mm² conductor cross section)



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ternal cylindrical gage A3  onnection in acc, with standard onductor cross section rigid Onductor cross section flexible onductor cross section flexible onductor cross section flexible onductor cross section flexible onductor cross-section flexible (ferrule without plastic sleeve) O.5 mm² 10 mm² O.5 mm² 6 mm² O.5 mm² 6 mm² O.5 mm² 6 mm² O.5 mm² 15 mm²	ominal voltage	690 V
Internal cylindrical gage Connection in acc. with standard Conductor cross section rigid Cross section AWG 26 12 (converted acc. to IEC) Conductor cross section flexible Conductor cross section flexible Conductor cross section flexible (AWG) Conductor cross section flexible (Ferule without plastic sleeve) Conductor cross section flexible (Ferule without plastic sleeve) Conductor cross-section flexible (Ferule with plastic sleeve) Conductor cross section (Ferule with plastic sleeve) Conductors with the same cross section, flexible, with TWIN Ferule with plastic sleeve Nominal current 41 A (with 6 mm² conductor cross section) Maximum load current 57 A (with 10 mm² conductor cross section) Maximum total current 57 A (with 10 mm² conductor cross section) Maximum total current 57 A (with 10 mm² conductor cross section) Add contact Connection cross section directly pluggable Conductor cross section rigid Conductor cross section flexible (Ferule without plastic sleeve) Conductor cross section flexible (Ferule with plastic sleeve) Conductor cross section flexible (Ferule without plastic sleeve)  Conductor cross section flexible (Ferule without plastic sleeve)  Conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible conductor cross section flexible (Ferule without plastic sleeve)  Flexible c	ne contact	
Connection in acc. with standard  Conductor cross section rigid  Cross section AWG  Conductor cross section flexible  Conductor cross section flexible  Conductor cross section flexible  Conductor cross section flexible (Brulle without plastic sleeve)  Plexible conductor cross section (ferrule with plastic sleeve)  2 conductors with the same cross section, flexible, with TWIN  Plexible conductor cross section (ferrule with plastic sleeve)  2 conductors with the same cross section, flexible, with TWIN  Conductor with plastic sleeve  2 conductors with the same cross section, flexible, with TWIN  Maximum load current  41 A (with 6 mm² conductor cross section)  Maximum load current  57 A  Nominal current  57 A  Nominal voltage  690 V  Nominal cross section  ad contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section rigid  Conductor cross section rigid [AWG]  Conductor cross-section flexible (ferrule with plastic sleeve)  9 .0 5 mm² 2 mm²  Plexible conductor cross sections directly pluggable  conductor cross section rigid  Conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 2 mm²  e contact Connection cross sections directly pluggable  Conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 10 mm²  Conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  1 mm²	Stripping length	10 mm 12 mm
Conductor cross section rigid  Cross section AWG  Cross section flexible  Conductor cross section flexible [AWG]  Conductor cross section flexible [AWG]  Conductor cross-section flexible with plastic sleeve)  Conductor with plastic sleeve  Conductor with plastic sleeve  Conductor with plastic sleeve  Conductor with plastic sleeve  Nominal current  Al 1 A (with 6 mm² conductor cross section)  Maximum load current  Soft A (with 10 mm² conductor cross section)  Maximum load current  Soft A (with 10 mm² conductor cross section)  Maximum load current  Soft A (with 10 mm² conductor cross section)  Conductor cross-section flexible ferrule with plastic sleeve)  Conductor cross-section rigid  Conductor cross-section flexible ferrule without plastic sleeve)  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic sleeve)  This mm² 10 mm²  Conductor cross-section flexible ferrule with plastic slee	Internal cylindrical gage	A3
Cross section AWG  Conductor cross section flexible  Conductor cross section, flexible [AWG]  Conductor cross section, flexible [AWG]  Conductor with the same cross section, flexible, with TWIN  ferrule with plastic sleeve)  Conductor with the same cross section, flexible, with TWIN  ferrule with plastic sleeve  Conductor with the same cross section, flexible, with TWIN  ferrule with plastic sleeve  Conductor with the same cross section, flexible, with TWIN  ferrule with plastic sleeve  Nominal current  41 A (with 6 mm² conductor cross section)  Maximum load current  57 A (with 10 mm² conductor cross section)  Maximum total current  57 A (with 10 mm² conductor cross section)  Maximum total current  690 V  Nominal cross section  6 mm²  and contact Connection cross sections directly pluggable  Conductor cross section, rigid [AWG]  Conductor cross section flexible (ferrule without plastic sleeve)  Conductor cross section flexible (ferrule with plastic sleeve)  Conductor cross section rigid  Conductor cross section flexible (ferrule with plastic sleeve)  acconductor cross section flexible (ferrule with plastic sleeve)  Conductor cross section flexible (ferrule with plastic sleeve)  T mm² 10 mm²  Conductor cross section flexible (ferrule with plastic sleeve)  T mm² 6 mm²  1 mm² 6 mm	Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible   0.5 mm² 10 mm²   26 14 (converted acc. to IEC)   27 15 mm²   27 15 mm²   27 15 mm²   28	Conductor cross section rigid	0.5 mm² 10 mm²
Conductor cross section, flexible [AWG] Conductor cross-section flexible (ferrule without plastic sleeve) Conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve Nominal current Maximum load current Maximum load current Maximum total current Mominal cross section (ferrule with plastic sleeve) Conductor cross section (ferrule with plastic sleeve) Nominal cross section Maximum total current Maximum total current Mominal cross section Mominal cross se	Cross section AWG	26 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)  O.5 mm² 6 mm²  O.5 mm² 6 mm²  O.5 mm² 6 mm²  O.5 mm² 1.5 mm²  Conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve  Nominal current  Maximum load current  Maximum load current  Maximum total current  Mominal cross section  Mominal cross section flexible (ferrule without plastic sleeve)  Mominal cross section flexible (ferrule without plastic sleeve)  Mominal cross section flexible (ferrule without plastic sleeve)  Mominal cross section flexible (ferrule with plastic sleeve)  Mominal cross section flexible	Conductor cross section flexible	0.5 mm² 10 mm²
Flexible conductor cross section (ferrule with plastic sleeve)  2 conductors with the same cross section, flexible, with TWIN  2 conductors with the same cross section, flexible, with TWIN  2 conductors with plastic sleeve  Nominal current  41 A (with 6 mm² conductor cross section)  Maximum load current  57 A (with 10 mm² conductor cross section)  Maximum total current  57 A  Nominal voltage  690 V  Nominal cross section  2 d contact Connection cross sections directly pluggable  Conductor cross section, rigid [AWG]  Conductor cross section, rigid [AWG]  Conductor cross section flexible (ferrule without plastic sleeve)  2 d 12 (converted acc. to IEC)  Conductor cross section flexible (ferrule with plastic sleeve)  2 d 12 (converted acc. to IEC)  Conductor cross section flexible (ferrule with plastic sleeve)  2 c contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section rigid  Conductor cross section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  2 sensions  Width  2 s.6 mm  Depth on NS 15  31.4 mm  PA  Static insulating material group  I lossulating material application in cold  1 move and conductor con	Conductor cross section, flexible [AWG]	26 14 (converted acc. to IEC)
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve Nominal current 41 A (with 6 mm² conductor cross section) Maximum load current 57 A (with 10 mm² conductor cross section) Maximum total current 57 A Nominal voltage 690 V Nominal cross section 6 mm²  ad contact Connection cross sections directly pluggable Conductor cross section rigid Conductor cross section, rigid [AWG] Conductor cross section, rigid [AWG] Conductor cross-section flexible (ferrule without plastic sleeve) Flexible conductor cross section flexible (ferrule with plastic sleeve) 0.5 mm² 2.5 mm² Flexible conductor cross section flexible (ferrule without plastic sleeve) 1 mm² 25 mm² Flexible conductor cross section flexible (ferrule without plastic sleeve) 1 mm² 6 mm² Flexible conductor cross section flexible (ferrule without plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section flexible (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section flexible (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm²  Prixible conductor cross	Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 6 mm²
ferrule with plastic sleeve  Nominal current  41 A (with 6 mm² conductor cross section)  Maximum load current  57 A (with 10 mm² conductor cross section)  Maximum total current  57 A  Nominal voltage  690 V  Nominal cross section  6 mm²  ad contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section, rigid [AWG]  Conductor cross-section flexible (ferrule without plastic sleeve)  Flexible conductor cross section flexible (ferrule with plastic sleeve)  a contact Connection cross section sigid  Conductor cross-section flexible (ferrule with plastic sleeve)  a contact Connection cross sections directly pluggable  Conductor cross-section flexible (ferrule with plastic sleeve)  a contact Connection cross section flexible (ferrule without plastic sleeve)  a contact Connection cross section flexible (ferrule with plastic sleeve)  a f mm² 10 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  a f mm² 6 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  ansions  Width  25.6 mm  Height  28.6 mm  Depth on NS 15  31.4 mm  Parial specifications  Color yellow  Flammability rating according to UL 94  Vo  Insulating material group  Insulating material application in cold  -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C	Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 6 mm²
Maximum load current  57 A (with 10 mm² conductor cross section)  Maximum total current  57 A  Nominal voltage  690 V  Nominal cross section  6 mm²  ad contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section, rigid [AWG]  Conductor cross-section flexible (ferrule without plastic sleeve)  Flexible conductor cross section flexible (ferrule with plastic sleeve)  6 mm² 2.5 mm²  Flexible conductor cross section flexible (ferrule with plastic sleeve)  7 mm² 2.5 mm²  8 contact Connection cross sections directly pluggable  Conductor cross-section flexible (ferrule with plastic sleeve)  8 conductor cross-section flexible (ferrule without plastic sleeve)  9 mm² 10 mm²  1 mm² 10 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plastible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  25.6 mm  Height  28.6 mm  Depth on NS 15  31.4 mm  Prial specifications  Color  Flammability rating according to UL 94  Insulating material group  Insulating material group  Insulating material application in cold  60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C	2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1.5 mm²
Maximum total current    S7 A	Nominal current	41 A (with 6 mm² conductor cross section)
Nominal voltage  Nominal cross section  ad contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section, rigid [AWG]  Conductor cross section flexible (ferrule without plastic sleeve)  Conductor cross-section flexible (ferrule without plastic sleeve)  Plexible conductor cross section (ferrule with plastic sleeve)  Conductor cross section rigid  Conductor cross section rigid  1 mm² 2.5 mm²  e contact Connection cross sections directly pluggable  Conductor cross section flexible (ferrule without plastic sleeve)  1 mm² 10 mm²  Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 10 mm²  1 mm² 6 mm²  Plexible conductor cross section flexible (ferrule with plastic sleeve)  1 mm² 6 mm²  1 mm²	Maximum load current	57 A (with 10 mm² conductor cross section)
Nominal cross section  ad contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section, rigid [AWG]  Conductor cross section, rigid [AWG]  Conductor cross-section flexible (ferrule without plastic sleeve)  Conductor cross-section flexible (ferrule with plastic sleeve)  Plexible conductor cross section (ferrule with plastic sleeve)  contact Connection cross sections directly pluggable  Conductor cross-section flexible (ferrule without plastic sleeve)  conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 10 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Parial specifications  Color  yellow  Flammability rating according to UL 94  Insulating material group  Insulating material group  Insulating material application in cold  -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 300-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C	Maximum total current	57 A
ad contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross section, rigid [AWG]  Conductor cross section, rigid [AWG]  Conductor cross-section flexible (ferrule without plastic sleeve)  0.5 mm² 2.5 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  0.34 mm² 2.5 mm²  conductor cross section sections directly pluggable  Conductor cross section rigid  1 mm² 10 mm²  Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  20 conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  21 mm² 6 mm²  22 conductor cross section (ferrule with plastic sleeve)  23 conductor cross section (ferrule with plastic sleeve)  24 mm² 10 mm²  15 mm² 10 mm²  16 mm² 10 mm²  17 mm² 10 mm²  18 mm² 10 mm²  19 mm² 10 mm²  10 mm² 10 mm²  10 mm² 10 mm²  10 mm² 10 mm²  11 mm² 10 mm²  12 mm² 10 mm²  13 mm² 10 mm²  14 mm² 10 mm²  15 mm² 10 mm²  16 mm² 10 mm²  17 mm² 10 mm²  18 mm² 10 mm²  19 mm² 10 mm²  10 mm²	Nominal voltage	690 V
Conductor cross section rigid  Conductor cross section, rigid [AWG]  Conductor cross-section flexible (ferrule without plastic sleeve)  Conductor cross-section flexible (ferrule with plastic sleeve)  Conductor cross section (ferrule with plastic sleeve)  Conductor cross section cross sections directly pluggable  Conductor cross section rigid  Conductor cross-section flexible (ferrule without plastic sleeve)  Conductor cross-section flexible (ferrule without plastic sleeve)  Flexible conductor cross section (ferrule with plastic sleeve)  Conductor cross-section flexible (ferrule with plastic sleeve)  Conductor cross-section flexible (ferrule with plastic sleeve)  1 mm² 6 mm²  28.6 mm  Depth on NS 15  31.4 mm  Conductor cross-section (ferrule with plastic sleeve)  Color  Flammability rating according to UL 94  Vo  Insulating material group  Insulating material group  Insulating material application in cold  Conductor cross-section (ferrule with plastic sleeve)  Conductor cross-section flexible  1 mm² 10 mm²  1 mm² 6 mm²  2 mm² 6 mm	Nominal cross section	6 mm²
Conductor cross section, rigid [AWG]  Conductor cross-section flexible (ferrule without plastic sleeve)  Conductor cross-section flexible (ferrule without plastic sleeve)  Conductor cross section (ferrule with plastic sleeve)  Conductor cross section rigid  Conductor cross section rigid  Conductor cross-section flexible (ferrule without plastic sleeve)  Flexible conductor cross section (ferrule with plastic sleeve)  Conductor cross-section flexible (ferrule with plastic sleeve)  Flexible conductor cross section (ferrule with plastic sleeve)  Conductor cross-section (ferrule with plastic sleeve)  Flexible conductor cross section (ferrule with plastic sleeve)  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  Conductor cross-section flexible (ferrule with plastic sleeve)  I mm² 6 mm²  I mm² 6	pad contact Connection cross sections directly pluggable	
Conductor cross-section flexible (ferrule without plastic sleeve)  0.5 mm² 2.5 mm²  0.34 mm² 2.5 mm²  e contact Connection cross sections directly pluggable  Conductor cross section rigid  1 mm² 10 mm²  Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Preside conductor cross section (ferrule with plastic sleeve)  25.6 mm  Height  28.6 mm  Depth on NS 15  31.4 mm  Prial specifications  Color  yellow  Flammability rating according to UL 94  Insulating material group  Insulating material group  Insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C	Conductor cross section rigid	0.34 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)  0.34 mm² 2.5 mm²  e contact Connection cross sections directly pluggable  Conductor cross section rigid  1 mm² 10 mm²  Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Prizersions  Width  25.6 mm  Depth on NS 15  31.4 mm  Prial specifications  Color  yellow  Flammability rating according to UL 94  Insulating material group  Insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  1 mm² 2.5 mm²  1 mm² 2.5 mm²  1 mm² 2.5 mm²  1 mm² 6 mm²  2 m	Conductor cross section, rigid [AWG]	24 12 (converted acc. to IEC)
e contact Connection cross sections directly pluggable  Conductor cross section rigid  Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  1 mm² 6 mm²  Flexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  Plexible conductor cross section (ferrule with plastic sleeve)  1 mm² 6 mm²  25.6 mm  Height  28.6 mm  Depth on NS 15  31.4 mm  Parial specifications  Color  yellow  Flammability rating according to UL 94  Insulating material group  Insulating material group  Insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  1 mm² 10 mm²  1 mm² 6 mm²  1 mm²	Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 2.5 mm²
Conductor cross section rigid  Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  I mm²	Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 2.5 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)  1 mm² 6 mm²  1 mm² 6 mm²  1 mm² 6 mm²  2 msions  Width  2 5.6 mm  Height  2 8.6 mm  Depth on NS 15  31.4 mm  Prial specifications  Color  Flammability rating according to UL 94  Vo  Insulating material group  Insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  1 mm² 6 mm²  1 mm² 6 mm²  1 mm² 6 mm²  2 5.6 mm  2 9.6 mm  2 9.7 mm  2 9.6 mm  3 1.4 mm  1 1.4 mm  1 1.5 mm²  2 1.5 mm²  3 1.4 mm  4 1.5 mm²  3 1.4 mm  4 1.5 mm²  4 1.5	ine contact Connection cross sections directly pluggable	
Flexible conductor cross section (ferrule with plastic sleeve)  25.6 mm  25.6 mm  Depth on NS 15  28.6 mm  Depth on NS 15  31.4 mm  Prial specifications  Color  Flammability rating according to UL 94  V0  Insulating material group  Insulating material pplication in cold  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  1 mm² 6 mm²  25.6 mm  27.6 mm  28.6 mm  29.6 mm  20.7	Conductor cross section rigid	1 mm² 10 mm²
Width 25.6 mm  Height 28.6 mm  Depth on NS 15 31.4 mm  Prial specifications  Color yellow  Flammability rating according to UL 94 V0  Insulating material group  Insulating material group  Insulating material application in cold -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C	Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm² 6 mm²
Width 25.6 mm  Height 28.6 mm  Depth on NS 15 31.4 mm  Prial specifications  Color yellow  Flammability rating according to UL 94 V0  Insulating material group I  Insulating material application in cold -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C	Flexible conductor cross section (ferrule with plastic sleeve)	1 mm² 6 mm²
Width 25.6 mm  Height 28.6 mm  Depth on NS 15 31.4 mm  Prial specifications  Color yellow  Flammability rating according to UL 94 V0  Insulating material group I  Insulating material application in cold -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C	nensions	
Height 28.6 mm  Depth on NS 15 31.4 mm  Prial specifications  Color yellow  Flammability rating according to UL 94 V0  Insulating material group  Insulating material PA  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C	Width	25.6 mm
Depth on NS 15  31.4 mm  Prial specifications  Color yellow  Flammability rating according to UL 94  Insulating material group  Insulating material PA  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  31.4 mm  31.4 mm  31.4 mm  31.4 mm		
Prial specifications  Color yellow  Flammability rating according to UL 94  Insulating material group  Insulating material  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C		
Color yellow  Flammability rating according to UL 94  Insulating material group  Insulating material PA  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  yellow  V0  1  1  1  1  1  1  1  1  1  1  1  1  1		
Flammability rating according to UL 94  Insulating material group  Insulating material  PA  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C	Color	vellow
Insulating material group  Insulating material proup  Insulating material proup  Static insulating material application in cold  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B)  130 °C		
Insulating material PA  Static insulating material application in cold -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C	· · · ·	
Static insulating material application in cold  -60 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C		
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Relative insulation material temperature index (Elec., UL 746 B) 130 °C		
Relative insulation material temperature index (Elec., UL 746 B) 130 °C	Temperature index of insulation material (DIN EN 60216-1 (VDE	
		130 °C



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Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

### Electrical tests

#### Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

#### Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 6 mm²	0.72 kA
Short-time withstand current 10 mm²	1.2 kA
Result	Test passed

#### Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

### Mechanical properties

#### Mechanical data

Open side panel No	Open side panel	No
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#### Mechanical tests

### Mechanical strength

Result	Test passed
Attachment on the carrier	
DIN rail/fixing support	NS 35
Test force setpoint	5 N
Result	Test passed
Note	When aligning several blocks, it is recommended to either place a DIN rail adapter underneath the connection point or a flange element between the blocks.
	For versions with 6 or 7 connections, it is enough to place one DIN rail adapter centrally per block and place flange elements after every other block.
	When using the DIN rail adapter PTFIX-NS35, an aligned block must not protrude by more than a half.

Test for conductor damage and slackening



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Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.5 mm² / 0.3 kg
	6 mm² / 1.4 kg
	10 mm² / 2 kg
Result	Test passed
est for conductor damage and slackening	
Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed
Temperature cycles	192
Result	Test passed
eedle-flame test Time of exposure	30 s
Result	Test passed
scillation/broadband noise	
Schlation/broauband noise	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Specification Spectrum	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Spectrum Frequency	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Spectrum Frequency ASD level	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ 6.12 (m/s²)²/Hz
Spectrum Frequency ASD level Acceleration	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Spectrum Frequency ASD level	Service life test category 2, bogie-mounted $f_1 = 5$ Hz to $f_2 = 250$ Hz $6.12 \text{ (m/s}^2)^2\text{/Hz}$ $3.12g$
Spectrum Frequency ASD level Acceleration Test duration per axis	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ $6.12 \text{ (m/s}^2)^2/\text{Hz}$ $3.12g$ $5 \text{ h}$
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ $6.12 \text{ (m/s}^2)^2/\text{Hz}$ $3.12g$ $5 \text{ h}$ $X-, Y- \text{ and } Z\text{-axis}$
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions	Service life test category 2, bogie-mounted  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  6.12 (m/s²)²/Hz  3.12g  5 h  X-, Y- and Z-axis  Test passed
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ $6.12 \text{ (m/s}^2)^2/\text{Hz}$ $3.12g$ $5 \text{ h}$ $X-, Y- \text{ and } Z\text{-axis}$
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ $6.12 \text{ (m/s}^2)^2/\text{Hz}$ $3.12g$ $5 \text{ h}$ $X-, Y- \text{ and } Z\text{-axis}$ $\text{Test passed}$ $\text{DIN EN 50155 (VDE 0115-200):} 2008-03$
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result accks Specification Pulse shape	Service life test category 2, bogie-mounted  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  6.12 (m/s²)²/Hz  3.12g  5 h  X-, Y- and Z-axis  Test passed  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result accks Specification Pulse shape Acceleration	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ $6.12 \text{ (m/s}^2)^2/\text{Hz}$ $3.12g$ $5 \text{ h}$ $X-, Y- \text{ and } Z\text{-axis}$ $\text{Test passed}$ $\text{DIN EN 50155 (VDE 0115-200):} 2008-03$ $\text{Half-sine}$ $30g$
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result  accks Specification Pulse shape Acceleration Shock duration	Service life test category 2, bogie-mounted  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  6.12 (m/s²)²/Hz  3.12g  5 h  X-, Y- and Z-axis  Test passed  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  30g  18 ms
Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result Cocks Specification Pulse shape Acceleration Shock duration Number of shocks per direction	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ $6.12 \text{ (m/s}^2)^2/\text{Hz}$ $3.12g$ $5 \text{ h}$ $X-, Y- \text{ and } Z\text{-axis}$ $\text{Test passed}$ $DIN \text{ EN } 50155 \text{ (VDE } 0115\text{-}200)\text{:}2008\text{-}03$ $\text{Half-sine}$ $30g$ $18 \text{ ms}$ $3$

for max. short-term operating temperature, see RTI Elec.)



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Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C 70 °C
Ambient temperature (actuation)	-5 °C 70 °C
Permissible humidity (operation)	20 % 90 %
Permissible humidity (storage/transport)	30 % 70 %
Standards and regulations	
Connection in acc. with standard	IEC 60947-7-1
	IEC 60947-7-1
Mounting	
-	

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Mounting type