

3273234

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Distribution block, Block with horizontal alignment and integrated supply, nom. voltage: 690 V, nominal current: 24 A, number of connections: 13, connection method: Push-in connection, Load contact, cross section: 0.14 mm² - 4 mm², Push-in connection, Line contact, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: black

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	3273234
Packing unit	8 pc
Minimum order quantity	8 pc
Product key	BEA123
Catalog page	Page 445 (C-1-2019)
GTIN	4055626391809
Weight per piece (including packing)	33.988 g
Weight per piece (excluding packing)	33.5 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	13
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Electrical properties

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

Connection data

Service Entrance	yes
Number of connections per level	13
Nominal cross section	2.5 mm²
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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Stripping length Connection in acc. with standard Cross section AWG Conductor cross section flexible Conductor cross section flexible Conductor cross section flexible [AWG] Conductor cross section flexible (ferrule without plastic sleeve) Flexible conductor cross-section flexible (2 conductors with the same cross-section flexible (2 conductors with the same cross-section flexible (3 conductors with the same cross-section flexible (4 conductors with the same cross-section flexible (4 conductors with the same cross-section) Conductors with the same cross section, flexible, with TWIN ferrule and plastic sleeve) 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) and contact Connection cross sections directly pluggable Conductor cross-section rigid 0.34 mm² 4 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 7 Elexible conductor cross sections directly pluggable Conductor cross-section flexible (ferrule without plastic sleeve) 1 mm² 25 mm² 1 mm² 25 mm² 1 mm² 25 mm² 1 mm² 6 mm² 1 mersions Width 41 mm Height 45.7 mm Depth on NS 35/7,5	Nominal voltage	690 V
Connection in acc. with standard Conductor cross section rigid Cross section AWG 20 8 (converted acc. to IEC) Conductor cross section flexible Conductor cross section flexible Conductor cross section flexible (ferrule without plastic sleeve) Conductor cross section flexible (ferrule with plastic sleeve) Conductor cross section flexible (ferrule with plastic sleeve) Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) Conductors with the same cross-section, flexible, with TWIN ferrule and plastic sleeve) Conductors with the same cross-section, flexible, with TWIN ferrule and plastic sleeve) 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 Maximum load current Nominal cross section Conductor cross-section flexible (ferrule without plastic sleeve) 1 mm² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 1 mm² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 1 mm² 6 mm² Tensions Width 41 mm Height 45.7 mm Depth on NS 35/7.5 30.9 mm Tensions Color black Flammability rating according to UL 94 Flambability rating acc	ine contact	
Conductor cross section rigid Cross section AWG Conductor cross section flexible Conductor cross-section flexible (Errule without plastic sleeve) Conductor cross-section flexible (Ferrule with plastic sleeve) Flexible conductor cross-section flexible (Conductors with the same cross-section section flexible) Conductor cross-section flexible (2 conductors with the same cross-section flexible) Conductor cross-section flexible (2 conductors with the same cross-section, with TMN Farrula and plastic sleeve) Conductor with TMN Farrula and plastic sleeve) Conductors with the same cross-section, flexible, with TWIN femule with plastic sleeve Conductors with the same cross-section, flexible, with TWIN femule with plastic sleeve Conductor with plastic sleeve Conductor cross-section flexible (Ferrule with plastic sleeve) Conductor cross-section rigid Conductor cross-section rigid [AWG] Conductor cross-section flexible (Ferrule without plastic sleeve) Flexible conductor cross section side with plastic sleeve) Flexible conductor cross-section flexible (Ferrule with plastic sleeve) Conductor cross-section flexible (Ferrule with plastic sleeve) Flexible conductor cross-section flexible (Ferrule with plastic sleeve) Flex	Stripping length	10 mm 12 mm
Cross section AWG Conductor cross section flexible Conductor cross section flexible (AWG) Conductor cross section flexible (AWG) Conductor cross section flexible (Errule without plastic sleeve) Conductor cross section flexible (Errule with plastic sleeve) Conductor cross-section flexible (2 conductors with the same cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and 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 load current 57 A (with 10 mm² conductor cross section) Conductor cross section figid Conductor cross section, rigid [AWG] Conductor cross section, rigid [AWG] Conductor cross section flexible (ferrule without plastic sleeve) 1 conductor cross section flexible (ferrule with plastic sleeve) Conductor cross section flexible (ferrule with plastic sleeve) 1 mm² 2 mm² Conductor cross section flexible (ferrule without plastic sleeve) 1 mm² 6 mm² 1 mm² 6 mm² Conductor cross section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Lerial specifications Color black Flammability rating according to UL 94 Insulating material group Insulating material group Insulating material group Insulating material group Insulating material paplication in cold Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Relative insulation material temperature index (Elec., UL 746 B) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible 0.5 mm² 10 mm² Conductor cross section, flexible (AWG) 20 10 (converted acc. to IEC) Conductor cross-section flexible (ferrule with plastic sleeve) 0.5 mm² 6 mm² Flexible conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) 0.5 mm² 6 mm² Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) 0.5 mm² 1.5 mm² Conductor with the same cross-section, flexible, with TWIN ferrule with plastic sleeve 0.5 mm² 1.5 mm² Conductor with the same cross-section, flexible, with TWIN ferrule with plastic sleeve 0.5 mm² 1.5 mm² Conductor cross-section 0.5 mm² 1.5 mm² Conductor cross-section 0.5 mm² 1.5 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 0.34 mm² 4 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 0.34 mm² 2.5 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 0.34 mm² 2.5 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 0.34 mm² 2.5 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 0.34 mm² 2.5 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 0.34 mm² 2.5 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 1 mm² 2.5 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² Conductor cross-sectio	Conductor cross section rigid	0.5 mm² 10 mm²
Conductor cross section, flexible [AWG] Conductor cross-section flexible (ferrule with plastic sleeve) Conductor cross-section flexible (ferrule with plastic sleeve) Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) Conductor with the same cross section, flexible, with TWIN ferrule and plastic sleeve) Conductors with the same cross section, flexible, with TWIN ferrule and plastic sleeve) 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 load current Ocad contact Connection cross section sdirectly pluggable Conductor cross-section rigid Conductor cross-section flexible (ferrule without plastic sleeve) 24 12 (converted acc. to IEC) Conductor cross-section flexible (ferrule with plastic sleeve) 23 4 mm² 2.5 mm² Line contact Connection cross section flerrule with plastic sleeve) Conductor cross-section flexible (ferrule with plastic sleeve) Thexible conductor cross-section flexible (ferrule with plastic sleeve) Conductor cross-section flexible (ferrule with plastic sleeve) Thexible conductor cross-section flexible (ferrule with plastic sleeve) Thexible conductor cross-section flexible (ferrule with plastic sleeve) Thexible conductor cross-section flexible (ferrule with plastic sleeve) Themsions Width Height Height Height Depth on NS 35/7.5 30.9 mm Letrial specifications Color 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) Fire protection for rail vehicles (DIN EN 45645-2) R22 HL 1 - HL 3	Cross section AWG	20 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve) Plexible conductor cross-section (ferrule with plastic sleeve) Conductor with TWIN ferrule and plastic sleeve) 2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) 2 conductors with the same cross-section, flexible, with TWIN ferrule with plastic sleeve Nominal current A1 A (with 6 mm² conductor cross-section) Maximum load current Nominal current Nominal current S7 A (with 10 mm² conductor cross section) 6 mm² Conductor cross-section rigid Conductor cross-section rigid Conductor cross-section flexible (ferrule without plastic sleeve) O.34 mm² 4 mm² Conductor cross-section flexible (ferrule without plastic sleeve) O.34 mm² 2.5 mm² Ine contact Connection cross sections directly pluggable Conductor cross-section flexible (ferrule with plastic sleeve) Conductor cross-section flexible (ferrule without plastic sleeve) In mm² 10 mm² Conductor cross-section rigid Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 6 mm² I mm² 6 mm² I mm² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 6 mm² I mm² 6 mm	Conductor cross section flexible	0.5 mm² 10 mm²
Flexible conductor cross section (ferrule with plastic sleeve) Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) 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 Nominal cross section 6 mm² odd contact Connection cross sections directly pluggable Conductor cross section rigid Conductor cross section flexible (ferrule without plastic sleeve) 7 conductor cross section flexible (ferrule without plastic sleeve) 8 conductor cross section flexible (ferrule without plastic sleeve) 1 conductor cross section rigid Conductor cross section flexible (ferrule without plastic sleeve) 1 mm² 2.5 mm² 1 mm² 2.5 mm² 1 mm² 6 mm² 1 mm² 6 mm² 1 mm² 2.5 mm² 1 mm² 2.5 mm² 1 mm² 6 mm² 1 mm	Conductor cross section, flexible [AWG]	20 10 (converted acc. to IEC)
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) 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) 6 mm² coad contact Connection cross section sigid Conductor cross section rigid Conductor cross section, rigid [AWG] Conductor cross section flexible (ferrule without plastic sleeve) Flexible conductor cross section sigid Conductor cross section offer with plastic sleeve) 1 mm² 2.5 mm² 1 mm² 2.5 mm² Conductor cross section figid Conductor cross section figid 1 mm² 10 mm² Conductor cross section figid 41 mm² 6 mm² Flexible conductor cross section (ferrule without plastic sleeve) Flexible conductor cross section figid 41 mm² 6 mm² 1 mma 10 m	Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 6 mm²
cross-section, with TWIN ferrule and plastic sleeve) 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) Nominal cross section 6 mm² conductor cross section of 6 mm² conductor cross section rigid 0.34 mm² 4 mm² Conductor cross section, rigid [AWG] 24 12 (converted acc. to IEC) Conductor cross-section flexible (ferrule without plastic sleeve) Plexible conductor cross sections directly pluggable Conductor cross-section flexible (ferrule without plastic sleeve) Conductor cross-section flexible (ferrule with plastic sleeve) Plexible conductor cross sections directly pluggable Conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 2.5 mm² In ma² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) 1 mm² 6 mm² Plexible conductor cross-section flexible (ferrule with plastic sleeve) 1 mm² 6 mm² In ma² 6 mm	Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 6 mm²
ferrule with plastic sleeve Nominal current At 1 A (with 6 mm² conductor cross section) Maximum load current 57 A (with 10 mm² conductor cross section) Nominal cross section 6 mm² Oad 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) Flexible conductor cross section section (ferrule with plastic sleeve) O 34 mm² 2.5 mm² Flexible conductor cross section section (ferrule with plastic sleeve) In mm² 2.5 mm² Conductor cross section rigid Conductor cross section flexible (ferrule without plastic sleeve) I mm² 10 mm² Conductor cross section flexible (ferrule without plastic sleeve) I mm² 6 mm² Plexible conductor cross section flexible (ferrule with plastic sleeve) I mm² 6 mm² Temperature into NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 Vo Insulating material group I lusulating material group I lusulating material group I static insulating material application in cold -e0 °C Temperature intox of insulation material (DIN EN 60216-1 (VDE 0304-21)) Relative insulation material temperature index (Elec., UL 746 B) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	•	0.5 mm ² 1.5 mm ²
Maximum load current Nominal cross section 6 mm² coad contact Connection cross sections directly pluggable Conductor cross section rigid Conductor cross section rigid Conductor cross section flexible (ferrule without plastic sleeve) Flexible conductor cross section flexible (ferrule with plastic sleeve) Conductor cross section flexible (ferrule with plastic sleeve) Flexible conductor cross section flexible (ferrule with plastic sleeve) Conductor cross section flexible (ferrule with plastic sleeve) Conductor cross section flexible (ferrule with plastic sleeve) Time contact Connection cross section flexible (ferrule without plastic sleeve) Conductor cross section flexible (ferrule without plastic sleeve) Time? 6 mm² Conductor cross section (ferrule with plastic sleeve) Time? 6 mm² The max 10 mm		0.5 mm ² 1.5 mm ²
Nominal cross section And 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 (ferrule with plastic sleeve) Conductor cross-section flexible (ferrule with plastic sleeve) In expectation cross section figid Conductor cross-section flexible (ferrule without plastic sleeve) Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 6 mm² Flexible conductor cross section (ferrule with plastic sleeve) I mm² 6 mm² Width 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terrial specifications Color Flammability rating according to UL 94 Insulating material group I linsulating material PA Static insulating material application in cold Temperature index of insulation material (DIN EN 60216-1 (VDE 3034-21)) Relative insulation material temperature index (Elec., UL 746 B) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Nominal current	41 A (with 6 mm² conductor cross section)
coad contact Connection cross sections directly pluggable Conductor cross section, rigid [AWG] Conductor cross section, rigid [AWG] Conductor cross-section flexible (ferrule without plastic sleeve) Flexible conductor cross section sdirectly pluggable Conductor cross section rigid Conductor cross section figid Conductor cross section rigid 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 Midth 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terrial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I Insulating material application in cold Femperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Relative insulation material temperature index (Elec., UL 746 B) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Maximum load current	57 A (with 10 mm² conductor cross section)
Conductor cross section rigid 0.34 mm² 4 mm² Conductor cross section, rigid [AWG] 24 12 (converted acc. to IEC) Conductor cross-section flexible (ferrule without plastic sleeve) 0.34 mm² 2.5 mm² Flexible conductor cross section (ferrule with plastic sleeve) 0.34 mm² 2.5 mm² Line 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 Flexible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm² Lensions Width 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terrial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Nominal cross section	6 mm²
Conductor cross section rigid 0.34 mm² 4 mm² Conductor cross section, rigid [AWG] 24 12 (converted acc. to IEC) Conductor cross-section flexible (ferrule without plastic sleeve) 0.34 mm² 2.5 mm² Flexible conductor cross section (ferrule with plastic sleeve) 0.34 mm² 2.5 mm² Line 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 Flexible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm² Lensions Width 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terrial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	oad contact Connection cross sections directly pluggable	
Conductor cross section, rigid [AWG] Conductor cross-section flexible (ferrule without plastic sleeve) Flexible conductor cross section (ferrule with plastic sleeve) Ine contact Connection cross sections directly pluggable Conductor cross section rigid Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 10 mm² Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 6 mm² Flexible conductor cross section (ferrule with plastic sleeve) I mm² 6 mm² Midth 41 mm Height Depth on NS 35/7,5 30.9 mm Color black Flammability rating according to UL 94 V0 Insulating material group Insulating material group Insulating material application in cold Temperature index of insulation material (DIN EN 60216-1 (VDE 304-21)) Relative insulation material temperature index (Elec., UL 746 B) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	7, 3	0.34 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve) ine 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 Midth 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terrial specifications Color black 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) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		24 12 (converted acc. to IEC)
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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 nensions Width 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terrial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1-HL 3	Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 2.5 mm²
Conductor cross section rigid Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 6 mm² Flexible conductor cross section (ferrule with plastic sleeve) I mm² 6 mm² Inensions Width 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 Vo Insulating material group Insulating material group Insulating material application 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) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	ine contact Connection cross sections directly pluggable	
Conductor cross-section flexible (ferrule without plastic sleeve) I mm² 6 mm² I mm² 6 mm² Inensions Width Height Depth on NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 Insulating material group Insulating material application 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) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		1 mm ² 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve) 1 mm² 6 mm² Midth 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 Vo Insulating material group Insulating material application 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) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	•	
Midth 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I Insulating material proup 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	,	
Width 41 mm Height 45.7 mm Depth on NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I Insulating material group I 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		
Height 45.7 mm Depth on NS 35/7,5 30.9 mm terial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	nensions	
terial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I Insulating material 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Width	41 mm
terial specifications Color black Flammability rating according to UL 94 V0 Insulating material group I 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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Height	45.7 mm
Color 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) Fire protection for rail vehicles (DIN EN 45545-2) R22 black V0 1 1 1 1 1 1 1 1 1 1 1 1 1	Depth on NS 35/7,5	30.9 mm
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) Fire protection for rail vehicles (DIN EN 45545-2) R22 V0 Ill PA 130 °C 130 °C HL 1 - HL 3	aterial specifications	
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) Fire protection for rail vehicles (DIN EN 45545-2) R22 V0 Ill PA 130 °C 130 °C HL 1 - HL 3	·	black
Insulating material group Insulating material group 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) Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		
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 Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	· · · ·	
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) Tire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		
Relative insulation material temperature index (Elec., UL 746 B) 130 °C Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	Temperature index of insulation material (DIN EN 60216-1 (VDE	
Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3		130 °C
		HL 1 - HL 3



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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
	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
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Mechanical tests

Mechanical strength

Result	Test passed
ttachment 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.
est for conductor damage and slackening	
Rotation speed	10 rpm



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	135
Conductor cross section/weight	0.5 mm ² / 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
vironmental and real-life conditions	
ging Temperature cycles	192
Result	Test passed
eedle-flame test Time of exposure	30 s
Result	Test passed
scillation/broadband noise Specification	DIN EN 50155 (VDE 0115-200):2008-03
	DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted
Specification	
Specification Spectrum	Service life test category 2, bogie-mounted
Specification Spectrum Frequency	Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Specification 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
Specification Spectrum Frequency ASD level Acceleration	Service life test category 2, bogie-mounted $f_1 = 5$ Hz to $f_2 = 250$ Hz $6.12 \text{ (m/s}^2)^2\text{/Hz}$ $3.12g$
Specification 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 h
Specification 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 h $X-, Y- \text{ and } Z\text{-axis}$
Specification 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 h $X-, Y- \text{ and } Z\text{-axis}$
Specification 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 h $X-, Y- \text{ and } Z-\text{axis}$ Test passed
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks Specification	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 h $X-, Y- \text{ and } Z-\text{axis}$ Test passed $\text{DIN EN 50155 (VDE 0115-200):2008-03}$
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks Specification Pulse shape	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 h $X-, Y- \text{ and } Z-\text{axis}$ Test passed $\text{DIN EN 50155 (VDE 0115-200):2008-03}$ Half-sine
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks 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 h $X-, Y- \text{ and } Z-\text{axis}$ Test passed $DIN EN 50155 \text{ (VDE 0115-200):} 2008-03$ Half-sine $30g$
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks Specification Pulse shape Acceleration Shock duration	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 h $X-, Y- \text{ and } Z-\text{axis}$ $Test \text{ passed}$ $DIN \text{ EN } 50155 \text{ (VDE } 0115-200):2008-03$ $Half-\text{sine}$ $30g$ 18 ms
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks 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 h $X-, Y- \text{ and } Z-\text{axis}$ Test passed $DIN \text{ EN } 50155 \text{ (VDE } 0115-200):2008-03$ Half-sine $30g$ 18 ms 3
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks Specification Pulse shape Acceleration Shock duration Number of shocks per direction Test directions	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 h $X-, Y- \text{ and } Z-\text{axis}$ $Test \text{ passed}$ $DIN \text{ EN } 50155 \text{ (VDE } 0115-200):2008-03$ $Half-\text{sine}$ $30g$ 18 ms 3 $X-, Y- \text{ and } Z-\text{axis (pos. and neg.)}$
Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result hocks Specification Pulse shape Acceleration Shock duration Number of shocks per direction 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 h $X-, Y- \text{ and } Z-\text{axis}$ $Test \text{ passed}$ $DIN \text{ EN } 50155 \text{ (VDE } 0115-200):2008-03$ $Half-\text{sine}$ $30g$ 18 ms 3 $X-, Y- \text{ and } Z-\text{axis (pos. and neg.)}$



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	+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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