

3076029

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Installation ground terminal block, nom. voltage: 400 V, nominal current: 24 A, Screw connection, 1st, 2nd and 3rd level, Rated cross section: 4 mm², cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

• The installation terminal block features a particularly low-profile design and is suitable for wiring in flat installation distributors

Commercial data

Item number	3076029
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1153
Catalog page	Page 155 (C-1-2019)
GTIN	4046356643993
Weight per piece (including packing)	18.98 g
Weight per piece (excluding packing)	18.286 g
Customs tariff number	85369010
Country of origin	DE



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Technical data

Product properties

Product type	Ground terminal block	
Number of connections	5	
Number of rows	3	
Potentials	2	
Insulation characteristics		
Overvoltage category	III	
Degree of pollution	3	

Electrical properties

Rated surge voltage	4 kV
	6 kV
Maximum power dissipation for nominal condition	1.02 W
Current carrying capacity of the neutral busbar	140 A

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm²

st, 2nd and 3rd level	
Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.5 0.6 Nm
Stripping length	9 mm
Internal cylindrical gage	A3
Conductor cross section rigid	0.2 mm² 4 mm²
Cross section AWG	24 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross section, flexible [AWG]	24 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 2.5 mm²
2 conductors with same cross section, solid	0.2 mm² 1.5 mm²
2 conductors with same cross section, flexible	0.2 mm² 1.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² 0.75 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 0.75 mm²
Nominal current	24 A (with 4 mm² conductor cross section)
Maximum load current	30 A (with 4 mm² conductor cross section and 3-pos. terminal block)
Nominal voltage	400 V (phase conductor/phase conductor)



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Signature Sig		250 V (phase conductor/PE)
Size	Nominal cross section	4 mm²
End cover width Height 93.5 mm Depth on NS 35/15 59 mm 29 mm 20 perth on NS 35/15 29 mm 29 perth on NS 35/15 29 pm 20 gray Flammability rating according to UL 94 Insulating material group Insulating material group Insulating material application in cold 10 °C 125 °C 1	ensions	
Depth on NS 35/7.5 51.5 mm 59 m	Width	5.2 mm
Depth on NS 35/7,5 51.5 mm Depth on NS 35/15 59 mm Prial specifications 9 gray Color gray 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)) 125 °C 0304-21) 130 °C Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 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) R24 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 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 Test voltage setpoint 7.3 kV Result Test passed Short-time withstand current 2.5 mm² <	End cover width	2.2 mm
Depth on NS 35/15 59 mm Parial specifications Color gray Flammability rating according to UL 94 V0 Insulating material group I I Insulating material application in cold -60 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 3034-21)) Sodu-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 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) R24 HL 1 - HL 3 Fire protection for rail vehicles (DIN EN 45545-2) R26 HL 1 - HL 3 Calorimetric heat release NEPA 130 (ASTM E 1354) 27,5 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 trical tests rige voltage test Test voltage setpoint 7.3 kV Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Height	93.5 mm
Color Color Gray Filammability rating according to UL 94 V0 Insulating material group Insulating material application in cold For C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Relative insulation material temperature index (Elec., UL 746 B) Relative insulation for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 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) 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 1854) Surface filammability NFPA 130 (ASTM E 182) Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (SMP 800C) trical tests reg voltage test Test voltage setpoint Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Depth on NS 35/7,5	51.5 mm
Color Flammability rating according to UL 94 V0 Insulating material group I Insulating material group I Insulating material application in cold 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) Relative insulation material temperature index (Elec., UL 746 B) Relative insulation for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 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) 27.5 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) trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed mperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Depth on NS 35/15	59 mm
Flammability rating according to UL 94 Insulating material group I Insulating material group I Insulating material group I 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) Relative insulation material temperature index (Elec., UL 746 B) Relative insulation for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 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) Z7,5 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) trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	erial specifications	
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Insulating material Static insulating material application in cold -60 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 30304-21)) 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 Fire protection for rail vehicles (DIN EN 45545-2) R23 HL 1 - HL 3 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) 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) 27,5 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 **Trical tests** **Test voltage test** Test voltage setpoint 7.3 kV Result Test passed **Mererature-rise test** Requirement temperature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed **Wer-frequency withstand voltage** Test voltage setpoint 1.89 kV	Flammability rating according to UL 94	V0
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 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 Fire protection for rail vehicles (DIN EN 45545-2) R26 HL 1 - HL 3 Calorimetric heat release NFPA 130 (ASTM E 1354) 27,5 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 trical tests **Test voltage setpoint 7.3 kV Result Test voltage setpoint 7.3 kV Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed **Test passed	Insulating material group	1
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 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) R24 HL 1 - HL 3 Fire protection for rail vehicles (DIN EN 45545-2) R26 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) 27,5 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 trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed Mererature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed Test passed Test passed Test passed	Insulating material	PA
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 Fire protection for rail vehicles (DIN EN 45545-2) R23 HL 1 - HL 3 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) 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) 27,5 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 trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed mperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed Test passed Test passed Test passed	Static insulating material application in cold	-60 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 Fire protection for rail vehicles (DIN EN 45545-2) R23 HL 1 - HL 3 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) R24 HL 1 - HL 3 Calorimetric heat release NFPA 130 (ASTM E 1354) Surface flammability NFPA 130 (ASTM E 1354) Specific optical density of smoke NFPA 130 (ASTM E 662) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed Test voltage test Test voltage setpoint 7.3 kV Result Test passed Requirement temperature-rise test Requirement temperature-rise test Requirement temperature-rise test Result Test passed Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Fire protection for rail vehicles (DIN EN 45545-2) R23 Fire protection for rail vehicles (DIN EN 45545-2) R24 Fire protection for rail vehicles (DIN EN 45545-2) R24 Fire protection for rail vehicles (DIN EN 45545-2) R26 Fire protection for rail vehicles (DIN EN 45545-2) R26 Fire protection for rail vehicles (DIN EN 45545-2) R26 Fire protection for rail vehicles (DIN EN 45545-2) R26 HL 1 - HL 3 Calorimetric heat release NFPA 130 (ASTM E 1354) 27,5 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 trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed mperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R24 Fire protection for rail vehicles (DIN EN 45545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4545-2) R26 Fire protection for rail vehicles (DIN EN 4	Fire protection for rail vehicles (DIN EN 45545-2) R22	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) 27,5 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 trical tests rege voltage test Test voltage setpoint 7.3 kV Result Test passed mperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354) Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rege voltage test Test voltage setpoint 7.3 kV Result Test passed Requirement temperature-rise test Requirement temperature-rise test Result Test passed 3.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed Requirement temperature-rise test Result Test passed Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result Test passed Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test voltage setpoint Test passed 1.89 kV	Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C) passed trical tests rge voltage test Test voltage setpoint 7.3 kV Result Test passed mperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Surface flammability NFPA 130 (ASTM E 162)	passed
trical tests rge voltage test Test voltage setpoint Result Test passed mperature-rise test Requirement temperature-rise test Result Test passed Increase in temperature ≤ 45 K Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
rige voltage test Test voltage setpoint Result Test passed mperature-rise test Requirement temperature-rise test Result Test passed Short-time withstand current 2.5 mm² Short-time withstand current 4 mm² Nesult Test passed 1.48 kA Test passed Test voltage setpoint 1.89 kV	Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Requirement temperature-rise test Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed Test passed Test passed	trical tests arge voltage test Test voltage setpoint Result	
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Result Test passed Short-time withstand current 2.5 mm² 0.3 kA Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV		Increase in temperature ≤ 45 K
Short-time withstand current 2.5 mm² Short-time withstand current 4 mm² 0.48 kA Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Result	
Short-time withstand current 4 mm² Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Short-time withstand current 2.5 mm²	
Result Test passed wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Short-time withstand current 4 mm²	
wer-frequency withstand voltage Test voltage setpoint 1.89 kV	Result	
Test voltage setpoint 1.89 kV	ower-frequency withstand voltage	
		1.89 kV
	Result	Test passed

Mechanical properties



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Mechanical data	
Open side panel	Yes
apa a a a pa	
Mechanical tests	
Mechanical strength	
Result	Test passed
result	rest passed
Attachment on the carrier	
DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
Test for conductor damage and slackening	
Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed
Environmental and real-life conditions	
Environmental and real-life conditions Aging	
	192
Aging	192 Test passed
Aging Temperature cycles	
Aging Temperature cycles Result	
Aging Temperature cycles Result Needle-flame test	Test passed
Aging Temperature cycles Result Needle-flame test Time of exposure	Test passed 30 s
Aging Temperature cycles Result Needle-flame test Time of exposure Result	Test passed 30 s
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise	Test passed 30 s Test passed
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ 6.12 (m/s²)²/Hz
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ 6.12 (m/s²)²/Hz 3.12g
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ 6.12 (m/s²)²/Hz 3.12g 5 h
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted $f_1 = 5$ Hz to $f_2 = 250$ Hz $6.12 \text{ (m/s}^2)^2$ /Hz $3.12g$ 5 h X-, Y- and Z-axis
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted $f_1 = 5$ Hz to $f_2 = 250$ Hz $6.12 \text{ (m/s}^2)^2$ /Hz $3.12g$ 5 h X-, Y- and Z-axis
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result Shocks	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 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- and Z-axis Test passed
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result Shocks Specification	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted f ₁ = 5 Hz to f ₂ = 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
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result Shocks Specification Pulse shape	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted f ₁ = 5 Hz to f ₂ = 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
Aging Temperature cycles Result Needle-flame test Time of exposure Result Oscillation/broadband noise Specification Spectrum Frequency ASD level Acceleration Test duration per axis Test directions Result Shocks Specification Pulse shape Acceleration	Test passed 30 s Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie-mounted f ₁ = 5 Hz to f ₂ = 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



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Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
Ambient conditions	
Ambient temperature (operation)	-60 °C 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C 70 °C
Permissible humidity (operation)	20 % 90 %
Permissible humidity (storage/transport)	30 % 70 %
ounting	
Mounting type	NS 35/7,5
	NS 35/15



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Classifications

ECLASS

	ECLASS-11.0	27141125	
	ECLASS-12.0	27141125	
	ECLASS-13.0	27250110	
ET	ТМ		
	ETIM 9.0	EC001329	
UNSPSC			
	UNSPSC 21.0	39121400	



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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