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Ground modular terminal block, connection method: Screw connection, number of connections: 2, cross section: 0.2 mm² - 10 mm², AWG: 24 - 8, width: 8.2 mm, height: 46.9 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

Your advantages

- The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- ▼ Tested for railway applications
- The cable entry funnel enables the use of conductors with ferrules and plastic collars within the nominal cross section



Key Commercial Data

Packing unit	50 pc
GTIN	4 017918 960414
GTIN	4017918960414
Weight per Piece (excluding packing)	21.600 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm²
Color	green-yellow
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building



Technical data

General

Process industry		Diest anniers in a
Rated surge voltage 8 kV Degree of pollution 3 Overvoltage category III Insulating material group I Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Not guaranteed Finger protection Not guaranteed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test specification, oscillation, broadband noise Est vice test of specification test offection Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz Acceleration 3.12 g Test directions X., Y. and Z-axis Shock form Half-Isine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X., Y. and Z-axis (pos. and neg.) <td></td> <td>Plant engineering</td>		Plant engineering
Degree of pollution 3 Overvoltage category III Insulating material group I Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Not guaranteed Finger protection Not guaranteed Finger protection, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test spectrum Service life test category 2, bogie-mounted Test spectrum 6.12 (m/s²)²/Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30 g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1		-
Overvoltage category III Insulating material group I Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Not guaranteed Finger protection Not guaranteed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency f, = 5 Hz to f, = 250 Hz ASD level 6.12 (m/s ³) ² /Hz AsCeleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 304-21)) 125 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 66		
Insulating material group	Degree of pollution	3
Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Not guaranteed Finger protection Not guaranteed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency f₁ = 5 Hz to f₂ = 250 Hz ASD level 6.12 (m/s³²²Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 304-21)) 125 °C Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed	Overvoltage category	III
Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Not guaranteed Finger protection Not guaranteed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test spectrum 5 Ex to ft 2 bt 2 bt 2 ASD level 6.12 (m/s²²/Hz ASD level 6.12 (m/s²²/Hz Acceleration 3.12 g Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Specific optical density of smoke NFPA 130 (ASTM E 1354) 27,5 MJ/kg Smoke gas toxicity NFPA 130 (SMF 800C) p	Insulating material group	I
Back of the hand protection Not guaranteed Finger protection Not guaranteed DIN EN 50155 (VDE 0115-200):2018-05 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s²²/Hz Acceleration 3.12 g Test directions X., Y. and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 162) Passed Calorimetric heat release NFPA 130 (ASTM E 1354) Fire protection for rail vehicles (DIN EN 45545-2) R22 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) R24 HL 1 - HL 3	Open side panel	Yes
Finger protection Not guaranteed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency f₁ = 5 Hz to f₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 1354) 27.5 MJ/kg Smoke gas toxicity NFPA 130 (SMP 800C) passed Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 Fire protection for rail vehicles (DIN EN 45545-2) R24	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted fest frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s²²²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 thurster index of insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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) 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) 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	Back of the hand protection	Not guaranteed
Test spectrum $form 1 = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +$	Finger protection	Not guaranteed
Test frequency f₁ = 5 Hz to f₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 27,5 MJ/kg Smoke gas toxicity NFPA 130 (SMP 800C) passed 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	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2018-05
ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 1354) 27,5 MJ/kg Smoke gas toxicity NFPA 130 (SMP 800C) passed Fire protection for rail vehicles (DIN EN 45545-2) R22 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) 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	Test spectrum	Service life test category 2, bogie-mounted
Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 27,5 MJ/kg Smoke gas toxicity NFPA 130 (SMP 800C) passed 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	Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Test duration per axis Test directions X-, Y- and Z-axis X-, Y- and Z-axis Shock form Half-sine 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold 4-60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	ASD level	6.12 (m/s²)²/Hz
Test directions X-, Y- and Z-axis Shock form Half-sine 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold Static insulating material application in cold Specific optical density of smoke NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Acceleration	3.12 g
Shock form Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions Relative insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold 4-60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Test duration per axis	5 h
Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 27,5 MJ/kg Smoke gas toxicity NFPA 130 (SMP 800C) passed 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	Test directions	X-, Y- and Z-axis
Shock duration Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Shock form	Half-sine
Number of shocks per direction Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Acceleration	30g
Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Shock duration	18 ms
Relative insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Number of shocks per direction	3
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold -60 °C Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Test directions	X-, Y- and Z-axis (pos. and neg.)
O304-21)) Static insulating material application in cold Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) Fire protection for rail vehicles (DIN EN 45545-2) R22 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	, , , , , , , , , , , , , , , , , , , ,	125 °C
Specific optical density of smoke NFPA 130 (ASTM E 662) Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) 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	Static insulating material application in cold	-60 °C
Calorimetric heat release NFPA 130 (ASTM E 1354) Smoke gas toxicity NFPA 130 (SMP 800C) passed 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	Surface flammability NFPA 130 (ASTM E 162)	passed
Smoke gas toxicity NFPA 130 (SMP 800C) passed 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	Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
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	Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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	Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Fire protection for rail vehicles (DIN EN 45545-2) R24 HL 1 - HL 3	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) R26 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

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Length	47.7 mm
Height	46.9 mm
Height NS 35/7,5	47.5 mm



Technical data

Dimensions

Height NS 35/15	55 mm

Connection data

Connection method Screw connection Screw thread M4 Stripping length 10 mm Tightening torque, min 1.5 Nm Tightening torque max 1.8 Nm Connection in acc. with standard IEC 60947-7-2 Note Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. Conductor cross section solid min. 0.2 mm² Conductor cross section solid max. 10 mm² Conductor cross section AWG min. 24 Conductor cross section flexible min. 0.2 mm² Conductor cross section flexible min. 0.2 mm² Conductor cross section flexible with. 10 mm² Min. AWG conductor cross section, flexible 8 Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm² Conductor cross section flexible, with ferrule with public sleeve min. 0.25 mm² Conductor ses section flexible, with ferrule with plastic sleeve min. 0.2 mm² Conductors with same cross section, solid min. 0.2 mm² 2 conductors with same cross section, stranded min. 0.2 mm² 2 conductors with same cross section, strande	Note	Please observe the current carrying capacity of the DIN rails.
Stripping length 10 mm Tightening torque, min 1.5 Nm Tightening torque max 1.8 Nm Connection in acc, with standard IEC 60947-7-2 Note Note Note Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. Conductor cross section solid min. 0.2 mm² Conductor cross section solid max. 10 mm² Conductor cross section AWG min. 24 Conductor cross section AWG min. 24 Conductor cross section flexible min. 0.2 mm² Conductor cross section flexible min. 0.2 mm² Conductor cross section flexible min. 0.2 mm² Conductor cross section flexible min. 0.25 mm² Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm² Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm² Conductor cross section flexible, with ferrule with plastic sleeve min. 0.25 mm² Conductor cross section flexible, with ferrule with plastic sleeve min. 0.25 mm² Conductor cross section flexible, with ferrule with plastic sleeve min. 0.25 mm² Conductor with same cross section, solid min. 0.2 mm² 2 conductors with same cross section, solid max. 2.5 mm² 2 conductors with same cross section, stranded min. 0.2 mm² 2 conductors with same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Connection method	Screw connection
Tightening torque, min Tightening torque max 1.8 Nm 1.8 Nm	Screw thread	M4
Tightening torque max 1.8 Nm Connection in acc. with standard IEC 60947-7-2 Note Note Note Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. Conductor cross section solid min. Conductor cross section AWG min. Conductor cross section AWG min. Conductor cross section flexible min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor with same cross section, solid min. 2.5 mm² 2 conductors with same cross section, stranded min. 2.5 mm² 2 conductors with same cross section, stranded min. 2.5 mm² Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with he same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Stripping length	10 mm
Connection in acc. with standard IEC 60947-7-2 Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. Conductor cross section solid min. Conductor cross section solid max. Conductor cross section AWG min. Conductor cross section flexible min. Conductor cross section flexible max. Conductor cross section flexible max. Min. AWG conductor cross section, flexible Awa. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Tightening torque, min	1.5 Nm
Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. Conductor cross section solid min. Conductor cross section solid max. Conductor cross section AWG min. Conductor cross section AWG min. Conductor cross section flexible min. Conductor cross section flexible max. 10 mm² Conductor cross section flexible max. 10 mm² Conductor cross section flexible max. 10 mm² Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible 8 Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. 2 conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Tightening torque max	1.8 Nm
Conductor cross section solid min. Conductor cross section solid max. Conductor cross section AWG min. Conductor cross section AWG min. Conductor cross section flexible min. Conductor cross section flexible max. Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Connection in acc. with standard	IEC 60947-7-2
Conductor cross section AWG min. Conductor cross section AWG max. Conductor cross section flexible min. Conductor cross section flexible max. In mm² Conductor cross section flexible max. In mm² Conductor cross section flexible max. In mm² Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor swith same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 1 conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Note	· · · · · · · · · · · · · · · · · · ·
Conductor cross section AWG min. Conductor cross section flexible min. Conductor cross section flexible min. Conductor cross section flexible max. Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor sess section flexible, with ferrule with plastic sleeve max. Conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded min. 2 conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section solid min.	0.2 mm²
Conductor cross section AWG max. Conductor cross section flexible min. Conductor cross section flexible max. Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor with same cross section, solid min. 2.5 mm² 2 conductors with same cross section, sloid max. 2.5 mm² 2 conductors with same cross section, stranded min. 2.5 mm² 2 conductors with same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum 1.5 mm²	Conductor cross section solid max.	10 mm ²
Conductor cross section flexible min. Conductor cross section flexible max. Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible B. Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	Conductor cross section AWG min.	24
Conductor cross section flexible max. Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2 conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section AWG max.	8
Min. AWG conductor cross section, flexible Max. AWG conductor cross section, flexible 8 Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. 6 mm² Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. 6 mm² 2 conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2 conductors with same cross section, stranded max. 2 conductors with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section flexible min.	0.2 mm ²
Max. AWG conductor cross section, flexible Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2 conductors with same cross section, stranded max. Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section flexible max.	10 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min. Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductors with same cross section, solid min. Conductors with same cross section, solid max. Conductors with same cross section, solid max. Conductors with same cross section, stranded min. Conductors with same cross section, stranded min. Conductors with same cross section, stranded max. Conductors with plastic sleeve, minimum Conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Min. AWG conductor cross section, flexible	24
Conductor cross section flexible, with ferrule without plastic sleeve max. Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. Conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2 conductors with same cross section, stranded max. 2.5 mm² Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Max. AWG conductor cross section, flexible	8
Conductor cross section flexible, with ferrule with plastic sleeve min. Conductor cross section flexible, with ferrule with plastic sleeve max. 6 mm² 2 conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2.5 mm² Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max. 2 conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2.5 mm² 2 conductors with same cross section, stranded max. 2.5 mm² Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
2 conductors with same cross section, solid min. 2 conductors with same cross section, solid max. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2 conductors with same cross section, stranded max. 2 conductors with same cross section, stranded max. 2 conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2.5 mm² 2 conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 2.5 mm² Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum 4 mm² Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum 1.5 mm²	2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, stranded max. Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum 4 mm² Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	2 conductors with same cross section, solid max.	2.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	2 conductors with same cross section, stranded min.	0.2 mm²
ferrules, with plastic sleeve, minimum Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²	2 conductors with same cross section, stranded max.	2.5 mm²
ferrules, with plastic sleeve, maximum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²		0.5 mm²
without plastic sleeve, minimum Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum 1.5 mm²		4 mm²
without plastic sleeve, maximum		0.25 mm²
Internal cylindrical gage A5		1.5 mm²
	Internal cylindrical gage	A5

Ambient conditions

Operating temperature	-60 °C 105 °C (max. short-term operating temperature 130°C)
Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % 70 %
Ambient temperature (assembly)	-5 °C 70 °C



Technical data

Ambient conditions

Ambient temperature (actuation)	-5 °C 70 °C
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Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-2
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141141
eCl@ss 11.0	27141141
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141141
eCl@ss 9.0	27141141

ETIM

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 6.0	EC000901
ETIM 7.0	EC000901

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410



Classifications

UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

DNV GL / CSA / PRS / UL Recognized / cUL Recognized / IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / cULus Recognized

Ex Approvals

IECEx / UL Recognized / cUL Recognized / EAC Ex / NEPSI / ATEX / cULus Recognized

Approval details

DNV GL	LA PROVINCE DE LA CONTRACTION	https://approvalfinder.dnvgl.com/	TAE00001S9
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CSA (§)	http://www.csagroup.org/services-indus	stries/product-listing/ 13631
	В	С
mm²/AWG/kcmil	24-8	24-8

PRS	http://www.prs.pl/	TE/2156/880590/17
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UL Recognized	http://da	atabase.ul.com/cgi-bin/XYV/templat	e/LISEXT/1FRAME/index.htm	FILE E 60425
	В	С	D	
mm²/AWG/kcmil	24-8	24-8	24-8	



Approvals

cUL Recognized	. 91	http://database.ul.cor	m/cgi-bin/XYV/template/LISEXT/1FR/	AME/index.htm	FILE E 60425
	В		С	D	
mm²/AWG/kcmil	24-8		24-8	24-8	

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-63045
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VDE Gutachten mit Fertigungsüberwachung	VDE	•	w2.vde.com/de/Institut/Online-Service/ uefteProdukte/Seiten/Online-Suche.aspx	40013715
mm²/AWG/kcmil			0.2-6	

cULus Recognized	51 us
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Accessories

Accessories

DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



Accessories

DIN rail perforated - NS 35/7,5 WH PERF 2000MM - 1204119



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/7,5 WH UNPERF 2000MM - 1204122



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/7,5 ZN PERF 2000MM - 1206421



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver



Accessories

DIN rail, unperforated - NS 35/7,5 CU UNPERF 2000MM - 0801762



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

End cap - NS 35/7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5



DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver



Accessories

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored



Accessories

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End cover



Accessories

End cover - D-UT 2,5/10 - 3047028



End cover, length: 47 mm, width: 2.2 mm, height: 39.8 mm, color: gray

Jumper

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: red

Plug-in bridge - FBS 6-8 - 3032470



Plug-in bridge, pitch: 8.2 mm, width: 47.5 mm, number of positions: 6, color: red



Accessories

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: red

Plug-in bridge - FBSR 2-8 - 3033808



Plug-in bridge, pitch: 8.2 mm, width: 14.8 mm, number of positions: 2, color: red

Plug-in bridge - FBSR 3-8 - 3001597



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Plug-in bridge - FBSR 4-8 - 3000585



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

Plug-in bridge - FBSR 5-8 - 3033809



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: red



Accessories

Plug-in bridge - FBSR 10-8 - 3001599



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: red

Plug-in bridge - FBS 2-8 CT - 3033830



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: orange

Plug-in bridge - FBS 3-8 CT - 3033831



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: orange

Plug-in bridge - FBS 4-8 CT - 3033832



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: orange

Plug-in bridge - FBS 10-8 CT - 3033833



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: orange



Accessories

Plug-in bridge - FBS 2-8 BU - 3032567



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 3-8 BU - 3032570



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: blue

Plug-in bridge - FBS 4-8 BU - 3032583



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: blue

Plug-in bridge - FBS 5-8 BU - 3032596



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: blue

Plug-in bridge - FBS 6-8 BU - 3032677



Plug-in bridge, pitch: 8.2 mm, width: 47.5 mm, number of positions: 6, color: blue



Accessories

Plug-in bridge - FBS 10-8 BU - 3032606



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: blue

Labeled terminal marker

Zack marker strip - ZB 8 CUS - 0825011



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 8 CUS - 0824597



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

Marker for terminal blocks - UCT-TM 8 CUS - 0829616



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

Zack marker strip - ZB 8,LGS:FORTL.ZAHLEN - 1052015



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10



Accessories

Zack marker strip - ZB 8,QR:FORTL.ZAHLEN - 1052028



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Partition plate

Partition plate - ATP-UT - 3047167



Partition plate, length: 53.4 mm, width: 2.2 mm, height: 45.7 mm, color: gray

Spacer plate - DP PS-8 - 3036741



Spacer plate, length: 22.4 mm, width: 8.2 mm, height: 29 mm, number of positions: 1, color: red

Planning and marking software



Accessories

Software - PROJECT COMPLETE - 1050453



Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download

Reducing bridge

Reducing bridge - RB UT 6-ST(2,5/4) - 3047264



Reducing bridge, pitch: 9.5 mm, length: 33.4 mm, width: 14.5 mm, number of positions: 2, color: red

Reducing bridge - RB UT 6-(2,5/4) - 3047251



Reducing bridge, pitch: 9.5 mm, length: 24.6 mm, width: 14.5 mm, number of positions: 2, color: red

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Short-circuit connector

Short-circuit connector - FBSRH 2-8 - 3033802



Short-circuit connector, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red



Accessories

Short-circuit connector - FBSRH 3-8 - 3033803



Short-circuit connector, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Short-circuit connector - FBSRH 4-8 - 3033804



Short-circuit connector, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

Switching jumper

Switching jumper - SB-MER 2-8 - 3000587



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 16.4 mm, number of positions: 2, color: gray/orange

Switching jumper - SB-MER 3-8 - 3000588



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 24.6 mm, number of positions: 3, color: gray/orange

Switching jumper - SB-MER 4-8 - 3000589



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 32.8 mm, number of positions: 4, color: gray/orange

Terminal marking



Accessories

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 8 - 0818072



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

Test plug terminal block

Test plugs - PS-8 - 3031005



Test plugs, Modular test plug, color: red

Test plugs - PS-8/2,3MM RD - 3048564



Test plugs, color: red

Test socket



Accessories

Test adapter - PAI-4 - 3030925



Test adapter, for 4 mm test plug and terminal blocks with 4.2 mm ... 8.2 mm pitch, color: gray

Test adapter - PAI-4-FIX BU - 3032729



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: blue

Test adapter - PAI-4-FIX OG - 3034455



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX YE - 3032745



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: yellow

Test adapter - PAI-4-FIX RD - 3032732



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: red



Accessories

Test adapter - PAI-4-FIX GN - 3032758



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: green

Test adapter - PAI-4-FIX BK - 3032774



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: black

Test adapter - PAI-4-FIX GY - 3032790



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: gray

Test adapter - PAI-4-FIX VT - 3032761



Test adapter, for 4 mm test plug and terminal blocks with 4.2 mm ... 8.2 mm pitch, color: violet

Test adapter - PAI-4-FIX BN - 3032787



Test adapter, for 4 mm test plug and terminal blocks with 8.2 mm pitch, color: brown



Accessories

Test adapter - PAI-4-FIX WH - 3032797



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAIS-4-FIX GY - 3032791



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: gray

Test adapter - PAIS-4-FIX BK - 3032792



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: black

Test adapter - PAIS-4-FIX RD - 3032793



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: red

Test adapter - PAIS-4-FIX BU - 3032798



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: blue



Accessories

Test adapter - PAIS-4-FIX YE - 3032799



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: yellow

Test adapter - PAIS-4-FIX GN - 3032801



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: green

Test adapter - PAIS-4-FIX VT - 3032802



Test adapter, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, color: violet

Warning label printed

Warning label - WS UT 6 - 3047345



Warning sign for UT terminal blocks

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