

Feed-through terminal, Screw connection, Mounting type:Mounting rail TS 35/7.5 and TS 32, Rated cross-section: 2.5 mm², Width: 5 mm, Colour: Grey

RAL: 7030

Business data

Article number	<u>1296.6</u>
Article name	RK 2,5 GR
GTIN (EAN)	4044211146634
Packaging unit	100
Quantity unit	PC
Weight per piece (not including packaging)	6.6 g
Weight per piece (including packaging)	7.1 g
Unit of weight	G
Customs number	85369010
Country of origin	CZ
Prio-Article	1296.2
Product description	Feed-through terminal



Technical data

With 5 mm Height TS 35/7.5 47 mm Height TS 32 51.5 mm Ratings 800 V Rated outage 800 V Rated current 24 A Rated cross-section 2.5 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 0.77 W Connection principle Screw connection Connection principle 1 Wire cross-section single-core (rigid) / stranded, min. 0.2 mm² Wire cross-section stranded, min. 0.2 mm² Wire cross-section stranded with wire-end ferrules, min. 0.2 mm² Wire cross-section stranded with wire-end ferrules, max. 2.5 mm² Wire cross-section stranded with wire-end ferrules, max. 2.5 mm²	Dimensions	
Height TS 35/7.547 mmHeight TS 3251.5 mmRatings800 VRated voltage800 VRated current24 ARated current2.5 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection forConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, min.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Length	48 mm
Height TS 3251.5 mmRatingsRated voltage800 VRated current24 ARated current2.5 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Stripping length7 mmScrew headSlottedStrew threadingM 2,5	Width	5 mm
RatingsRated voltage800 VRated voltage800 VRated voltage84 ARated current24 ARated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Height TS 35/7.5	47 mm
Rated voltage800 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection dataConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level1Wire cross-section single-core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Height TS 32	51.5 mm
Rated current24 ARated current2.5 mm²Rated inpulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection functionConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Ratings	
Rated cross-section2.5 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection dataConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section AWG, min.2Wire cross-section AWG, min.2Wire cross-section AWG, min.2Stripping length7 mmScrew headSlottedScrew threadingM2,5	Rated voltage	800 V
Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataEndConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew headingM 2,5	Rated current	24 A
Overvoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection frincipleConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section AWG, min.22Wire cross-section AWG, min.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Rated cross-section	2.5 mm ²
Contamination degree3Maximum power dissipation for nominal condition0.77 WConnection dataConnection principleConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Rated impulse voltage	8 kV
Maximum power dissipation for nominal condition0.77 WConnection dataScrew connectionConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Overvoltage category	III
Connection dataConnection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section Atmack with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Contamination degree	3
Connection principleScrew connectionConnection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Maximum power dissipation for nominal condition	0.77 W
Connection positionLateralConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Connection data	
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Number of terminals per level2Number of terminals per levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, min.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Connection position	Lateral
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Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Wire cross-section single core (rigid)/stranded, max.	4 mm ²
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Wire cross-section AWG, max.12Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Wire cross-section stranded with wire-end ferrules, max.	2.5 mm ²
Stripping length7 mmScrew headSlottedScrew threadingM 2,5	Wire cross-section AWG, min.	22
Screw headSlottedScrew threadingM 2,5	Wire cross-section AWG, max.	12
Screw threading M 2,5	Stripping length	7 mm
	Screw head	Slotted
Tightening torque, min. 0.4 Nm	Screw threading	M 2,5
	Tightening torque, min.	0.4 Nm
Tightening torque, max.0.8 Nm	Tightening torque, max.	0.8 Nm



Technical data

Materials	
Insulation housing	Polyamide 6.6
Flammability class UL 94	V-2
Working temperature, min.	-40 °C
Working temperature, max.	105 °C
Further technical data	
Mounting type	Mounting rail TS 35/7.5 and TS 32
Gauge plug acc. to EN 60 947-1	A3
Number of cross-connection channels	1
End plate required	\checkmark
Number of test pick-off options	1
Environmental Product Compliance	
REACH Conform	yes
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes

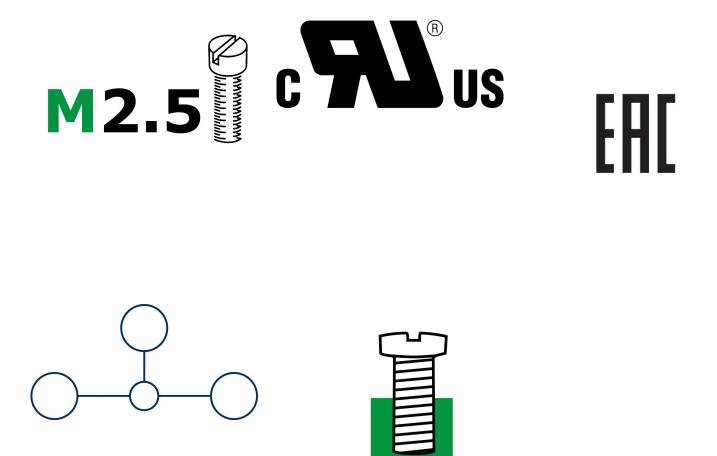


Approvals

EAC approval granted yes EUL Recognized C22.2 No 158 EUL Usegroup B: rated voltage 600 V EUL Usegroup B: rated current 20 A EUL Usegroup C: rated voltage 600 V EUL Usegroup C: rated voltage 600 V EUL Usegroup C: rated voltage 600 V EUL Usegroup C: rated current 20 A EUL wire cross-section single-core (rigid) AWG, min. 22 EUL wire cross-section stranded AWG, max. 12 EUL wire material Cu EUL Recognized 1 JL Recognized 1 JL Recognized 1 JL Usegroup B: rated current 20 A JL Usegroup B: rated current 20 A JL Usegroup C: rated voltage 600 V JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section stranded AWG, min.	Standards and regulations	
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SUL Usegroup B: rated current 20 A SUL Usegroup C: rated voltage 600 V SUL Usegroup C: rated current 20 A SUL wire cross-section single-core (rigid) AWG, min. 22 SUL wire cross-section stranded AWG, min. 22 SUL wire cross-section stranded AWG, max. 12 SUL torque 5.3 Nm SUL torque 5.3 Nm SUL Kecognized 1 SUL Recognized 1 SUL Recognized 1 SUL Usegroup B: rated voltage 600 V SUL usegroup B: rated voltage 600 V SUL usegroup B: rated voltage 600 V SUL usegroup C: rated voltage 600 V SUL wire cross-section single-core (rigid) AWG, min. 22 SUL wire cross-section stranded AWG, max. 12 SU wire cross-section stranded AWG, max. 12 <td>cUL approval</td> <td>C22.2 No 158</td>	cUL approval	C22.2 No 158
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UL Usegroup C: rated current20 AUUL wire cross-section single-core (rigid) AWG, min.22UUL wire cross-section stranded AWG, min.22UL wire cross-section stranded AWG, max.12UL wire cross-section stranded AWG, max.12UL torque5.3 NmUL torque5.3 NmUL wire materialCuUL Recognized1UL approvalUL 1059UL usegroup B: rated voltage600 VUL usegroup C: rated voltage600 VUL wire cross-section single-core (rigid) AWG, min.22U. wire cross-section stranded AWG, min.22U. wire cross-section stranded AWG, max.12U. wire cross-section stranded AWG, max.12U. wire cross-section stranded AWG, max.12U. wire materialCuU. wire materialCuUL torque5.3 Lb InU. wire materialCuU. tier detining1	cUL Usegroup B: rated current	20 A
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JL Usegroup C: rated current20 AJL wire cross-section single-core (rigid) AWG, min.22JL wire cross-section single-core (rigid) AWG, max.12JL wire cross-section stranded AWG, min.22JL wire cross-section stranded AWG, max.12JL wire cross-section stranded AWG, max.12JL wire cross-section stranded AWG, max.12JL torque5.3 Lb lnJL wire materialCuJL factory wiring1JL field wiring1	UL Usegroup B: rated current	20 A
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JL wire cross-section single-core (rigid) AWG, max.12JL wire cross-section stranded AWG, min.22JL wire cross-section stranded AWG, max.12JL torque5.3 Lb InJL wire materialCuJL factory wiring1JL field wiring1	UL Usegroup C: rated current	20 A
JL wire cross-section stranded AWG, min.22JL wire cross-section stranded AWG, max.12JL torque5.3 Lb InJL wire materialCuJL factory wiring1JL field wiring1	UL wire cross-section single-core (rigid) AWG, min.	22
JL wire cross-section stranded AWG, max.12JL torque5.3 Lb InJL wire materialCuJL factory wiring1JL field wiring1	UL wire cross-section single-core (rigid) AWG, max.	12
JL torque5.3 Lb InJL wire materialCuJL factory wiring1JL field wiring1	UL wire cross-section stranded AWG, min.	22
JL wire material Cu JL factory wiring 1 JL field wiring 1	UL wire cross-section stranded AWG, max.	12
JL factory wiring 1 JL field wiring 1	UL torque	5.3 Lb In
JL field wiring 1	UL wire material	Cu
	UL factory wiring	1
	UL field wiring	1
JL File Number E95701	UL File Number	E95701
JL Recognized 1	UL Recognized	1



Media





Accessories

	Cover, Length:	20 mm, Width: 24 mm, Colour: Yellow		
DANGER 4	Article number	Article name	GTIN (EAN)	Packaging unit
LIVE TEAMINALS	2713.0	AD 4/20/B/E YE	4044211054540	50 ST
	Cover, Length:	26.5 mm, Width: 5 mm, Colour: White		
	Article number	Article name	GTIN (EAN)	Packaging unit
	2962.0	AD 1/5 WH	4044211056919	50 ST
Vorsicht	Cover, Length:	20 mm, Width: 24 mm, Colour: Yellow		
5 pannung	Article number	Article name	GTIN (EAN)	Packaging unit
opunnung	2712.0	AD 4/20/B YE	4044211054533	50 ST
	Cover, Length:	26.5 mm, Width: 5 mm, Colour: Yellow	,	
4	Article number	Article name	GTIN (EAN)	Packaging unit
	2952.0	AD 1/5/B YE	4044211056803	50 ST

End plate

	End plate, Widt	h: 1.5 mm, Colour: Beige		
	Article number	Article name	GTIN (EAN)	Packaging unit
	2001.2	AP 2,5-10 BG	4044211047979	50

End stop

	End stop, Moun	End stop, Mounting type: Mounting rail TS 35/7.5, Width: 9.5 mm, Colour: Beige				
	Article number	Article name	GTIN (EAN)	Packaging unit		
	2828.0	ES 35/K/ST BG	4044211055547	50		



Cross-connector

Cross-connector, No. of poles: 4, Mounting type: Can be screwed on, Width: 19.3 mm, Rated cross-section: 2.5 mm ² , Colour: natural				
Article number	Article name	GTIN (EAN)	Packaging unit	
2569.0	Q 4	4044211053598	20 ST	
	or, No. of poles: 10, Mounting type: Ca ection: 2.5 mm², Colour: natural	n be screwed on, Wid	h: 49.9 mm,	
Article number	Article name	GTIN (EAN)	Packaging unit	
2570.0	Q 10	4044211053604	10 ST	
Cross-connector, No. of poles: 3, Mounting type: Can be screwed on, Width: 14.2 mm, Rated cross-section: 2.5 mm ² , Colour: natural				
Article number	Article name	GTIN (EAN)	Packaging unit	
2568.0	Q 3	4044211053581	50 ST	
	or, No. of poles: 2, Mounting type: Can ection: 2.5 mm², Colour: natural	be screwed on, Width	: 9.1 mm,	
Article number	Article name	GTIN (EAN)	Packaging unit	
2567.0	Q 2	4044211053574	50 ST	

Quick marking

Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 5 mm, Colour: White				
Article number	Article name	GTIN (EAN)	Packaging unit	
4600.7	PMC SB 5/50 WH	4044211088903	500 ST	



Screwdriver

	Screwdriver wi	Screwdriver with bare blade, Colour: Black-grey			
Bionnacue Del seu cautor	Article number	Article name	GTIN (EAN)	Packaging unit	
	1085.0	SDB 0,5x3,0	4044211014643	1 ST	

Test adapters

	Test adapter, L	Test adapter, Length: 37.3 mm, Pitch size: 5 mm, Colour: Beige				
, mi	Article number	Article name	GTIN (EAN)	Packaging unit		
Ţ	2812.0	TA 5/1/ST	4044211055394	10 ST		

Insulation plate

Insulation plate, Colour: Beige				
Article number	Article name	GTIN (EAN)	Packaging unit	
2566.2	TRS 3 BG	4044211053567	100 ST	

Partition plate

0 0	Partition plate, Width: 1.5 mm, Colour: Beige				
	Article number	Article name	GTIN (EAN)	Packaging unit	
	2002.2	TW 2,5-10 BG	4044211048044	50	

##INVERSE##CONTA-CONNECT

	Test adapter, L	Test adapter, Length: 37.3 mm, Pitch size: 5 mm, Colour: Beige				
	Article number	Article name	GTIN (EAN)	Packaging unit		
	2812.0	TA 5/1/ST	4044211055394	10 ST		