Data sheet 1511.2 RK 16/35/N BG





Feed-through terminal, Screw connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 16 mm², Width: 12 mm, Colour: Beige

Business data

Dusiness data	
Article number	<u>1511.2</u>
Article name	RK 16/35/N BG
GTIN (EAN)	4044211046118
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	27 g
Weight per piece (including packaging)	28.44 g
Unit of weight	G
Customs number	85369010
Country of origin	CZ
Prio-Article	1511.2
Product description	Feed-through terminal





Dimensions 54 mm Width 12 mm Height TS 35/7.5 47 mm Ratings 800 V Rated voltage 800 V Rated current 76 A Rated current public voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted S		
Length 54 mm Width 12 mm Height TS 35/7.5 47 mm Ratings Rated voltage Rated voltage 800 V Rated current 76 A Rated cross-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection principle Screw connection Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm	Technical data	
Width 12 mm Height TS 35/7.5 47 mm Ratings 800 V Rated voltage 800 V Rated current 76 A Rated corss-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted <t< th=""><th>Dimensions</th><th></th></t<>	Dimensions	
Ratings 800 V Rated voltage 800 V Rated current 76 A Rated coross-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Screw connection Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. 16 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Length	54 mm
Ratings Rated voltage 800 V Rated current 76 A Rated cross-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Width	12 mm
Rated voltage 800 V Rated current 76 A Rated cross-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Height TS 35/7.5	47 mm
Rated current 76 A Rated cross-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid)/stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Ratings	
Rated cross-section 16 mm² Rated impulse voltage 8 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid)/stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, max. 16 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2.5 mm	Rated voltage	800 V
Rated impulse voltage Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition Connection data Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2.43 W III III III III III Contamination degree 3 3 Ava 4.43 W Ender Connection 2.43 W Ender Connection 2.43 W Ender Connection 2.43 W Ender Connection 2.5 mm² 2.5 mm	Rated current	76 A
Overvoltage category Contamination degree 3 Maximum power dissipation for nominal condition Connection data Connection principle Connection position Connections 2 Number of terminals per level Wire cross-section single-core (rigid) / stranded, min. Wire cross-section stranded, min. Wire cross-section stranded, max. Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 8 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2.43 W 2.45 mm² 2.5 mm² 3.6 mm² 3.7 mm² 4.7 mm² 4.8 mm² 4.9 mm² 4.0 mm²	Rated cross-section	16 mm²
Contamination degree 3 Maximum power dissipation for nominal condition 2.43 W Connection data Connection principle Screw connection Connections Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. 46 mm² Wire cross-section stranded with wire-end ferrules, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2.Nm	Rated impulse voltage	8 kV
Maximum power dissipation for nominal condition Connection data Connection principle Connection position Connections 2 Number of terminals per level 2 Number of levels Mire cross-section single-core (rigid) / stranded, min. Wire cross-section stranded, min. Wire cross-section stranded, min. Wire cross-section stranded, min. Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Tightening torque, min. 2.43 W 2.45 W 2.5 mm ² 2.5 mm ² 2.5 mm ² 2.5 mm ² 3.6 mm ² 3.7 mm ² 3.7 mm ² 3.8 mm ² 3.9 mm ² 3.9 mm ² 3.9 mm ² 3.0 m	Overvoltage category	III
Connection data Connection principle Screw connection Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. Wire cross-section single core (rigid)/stranded, max. 25 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Screw connection Connection Ateral Connection 2 Screw connection Ateral Connection 2 Stripping Screw threading M 5 Tightening torque, min.	Contamination degree	3
Connection principle Connection position Lateral Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Section Screw threading Lateral 2 Nm Screw connection 1 Lateral 2 Nm Lateral Lateral 2 Nonection Lateral 2 Number of terminals per level 1 Lateral 2 Number of terminals per level 2 Nm Screw connection Lateral 2 Number of terminals per level 2 Number of terminals per level 2 Nm Screw threading M 5 Tightening torque, min.	Maximum power dissipation for nominal condition	2.43 W
Connection position Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min.	Connection data	
Connections 2 Number of terminals per level 2 Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, max. 16 mm² Wire cross-section stranded with wire-end ferrules, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Connection principle	Screw connection
Number of terminals per level Number of levels 1 Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, max. 16 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 ymm	Connection position	Lateral
Number of levels Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section single core (rigid)/stranded, max. 25 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded, max. 16 mm² Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2.5 mm² 3.6 mm² 4.6 mm² 4.7 mm² 5.7	Connections	2
Wire cross-section single-core (rigid) / stranded, min. 2.5 mm² Wire cross-section single core (rigid)/stranded, max. 25 mm² Wire cross-section stranded, min. 2.5 mm² Wire cross-section stranded max. 16 mm² Wire cross-section stranded with wire-end ferrules, min. 2.5 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Number of terminals per level	2
Wire cross-section stranded, min. Wire cross-section stranded, min. Wire cross-section stranded, max. Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. Stripping length 15 mm Screw head Screw threading M 5 Tightening torque, min. 2.5 mm² 2.5 mm² 16 mm² 2.5 mm²	Number of levels	1
Wire cross-section stranded, min. Wire cross-section stranded, max. Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section stranded with wire-end ferrules, max. 16 mm² 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2.5 mm² 2.5 mm²	Wire cross-section single-core (rigid) / stranded, min.	2.5 mm²
Wire cross-section stranded, max. Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Screw threading M 5 Tightening torque, min. 16 mm² 2.5 mm² 16 mm² 16 mm² 10 10 10 10 10 10 10 10 10 1	Wire cross-section single core (rigid)/stranded, max.	25 mm²
Wire cross-section stranded with wire-end ferrules, min. Wire cross-section stranded with wire-end ferrules, max. 16 mm² Wire cross-section AWG, min. 10 Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min.	Wire cross-section stranded, min.	2.5 mm²
min. Wire cross-section stranded with wire-end ferrules, max. Wire cross-section AWG, min. Wire cross-section AWG, max. Stripping length Screw head Screw threading M 5 Tightening torque, min. 2.5 mm² 16 mm² 10 M 5	Wire cross-section stranded, max.	16 mm²
Wire cross-section AWG, min. Wire cross-section AWG, max. Stripping length Screw head Screw threading M 5 Tightening torque, min.	Wire cross-section stranded with wire-end ferrules, min.	2.5 mm²
Wire cross-section AWG, max. 6 Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Wire cross-section stranded with wire-end ferrules, max.	16 mm²
Stripping length 15 mm Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Wire cross-section AWG, min.	10
Screw head Slotted Screw threading M 5 Tightening torque, min. 2 Nm	Wire cross-section AWG, max.	6
Screw threading M 5 Tightening torque, min. 2 Nm	Stripping length	15 mm
Tightening torque, min. 2 Nm	Screw head	Slotted
	Screw threading	M 5
Tightening torque, max. 4 Nm	Tightening torque, min.	2 Nm
	Tightening torque, max.	4 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
Gauge plug acc. to EN 60 947-1	B7
Number of cross-connection channels	1
Environmental Product Compliance	
REACH Conform	yes
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes





Approvals	
Standards and regulations	
EAC approval	TR ZU 004/2011
EAC approval granted	yes
CSA approval	
CSA approval	C22.2 No 158
CSA approval granted	yes
CSA Usegroup C: rated voltage	600 V
CSA Usegroup C: rated current	85 A
CSA wire cross-section AWG, min.	12
CSA wire cross-section AWG, max.	4
CSA stripping length	15 mm
CSA File Number	042110_0_000
CSAus approval	
CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	600 V
CSAus Usegroup C: rated current	85 A
CSAus wire cross-section AWG, min.	12
CSAus wire cross-section AWG, max.	4
CSAus stripping length	15 mm
CSAus File Number	042110_0_000
cUL Recognized	
cUL approval	C22.2 No 158
cUL Usegroup C: rated voltage	600 V
cUL Usegroup C: rated current	85 A
cUL wire cross-section single-core (rigid) AWG, min.	10
cUL wire cross-section single-core (rigid) AWG, max.	4
cUL wire cross-section stranded AWG, min.	10
cUL wire cross-section stranded AWG, max.	4
cUL torque	20 Nm
cUL wire material	Cu
cUL File Number	E95701
cUL Recognized	1





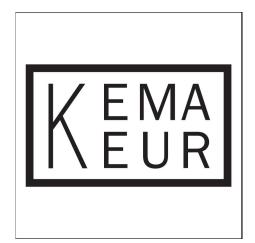
Approvals		
KEMA KEUR approval		
KEMA KEUR approval		EN 60947-7-1:2009
KEMA KEUR approval granted		yes
KEMA rated voltage		800 V
KEMA rated current		76 A
KEMA rated impulse voltage		8 kV
KEMA wire cross-section single-core	e (rigid), max.	25 mm²
KEMA wire cross-section stranded,	max.	16 mm²
UL Recognized		
UL approval		UL 1
UL Usegroup C: rated voltage		600 \
UL Usegroup C: rated current		85 A
UL wire cross-section single-core (ri	gid) AWG, min.	10
UL wire cross-section single-core (ri	gid) AWG, max.	4
UL wire cross-section stranded AWG	G, min.	10
UL wire cross-section stranded AWG	G, max.	4
UL torque		20 Lk
UL wire material		Cu
UL factory wiring		1
UL field wiring		1
UL File Number		E957
UL Recognized		1
German Lloyd approval		
DNV GL Certificate number	TAE000014T	
DNV GL Location Classes	Temperature: B, Humid	ity: B, Vibration: A
DNV GL approval granted	1	
DNV GL rated cross-section	16 mm²	
DNV GL rated current	76 A	
DNV GL rated voltage	800 V	
DNV GL test standard	IEC 60947-7-1:2002	



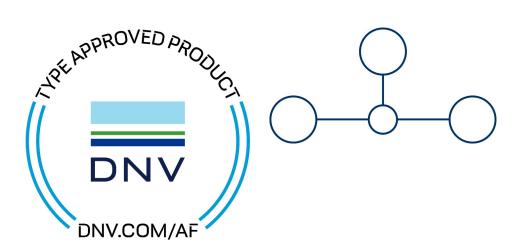
Media















Accessories

Cover



Cover, Length: 26.5 mm, Width: 12 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2967.0</u>	AD 1/12/N WH	4044211056964	20 ST



Cover, Length: 26.5 mm, Width: 12 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
2955.0	AD 1/12/N/B YE	4044211056834	20 ST

Cross-connector



Cross-connector, No. of poles: 2, Mounting type: Can be screwed on, Width: 20.1 mm, Rated cross-section: 16 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2257.0	Q 2	4044211050702	20 ST

Cross-connector, No. of poles: 10, Mounting type: Can be screwed on, Width: 115.3 mm, Rated cross-section: 16 mm², Colour: natural



 Article number
 Article name
 GTIN (EAN)
 Packaging unit

 2266.0
 Q 10
 4044211050757
 10 ST



Cross-connector, No. of poles: 3, Mounting type: Can be screwed on, Width: 32 mm, Rated cross-section: 16 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2258.0	Q 3	4044211050719	20 ST



Cross-connector, No. of poles: 4, Mounting type: Can be screwed on, Width: 43.9 mm, Rated cross-section: 16 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2265.0	Q 4	4044211050740	10 ST

1511.2 RK 16/35/N BG



Quick marking



Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 6 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
4702.7	PMC SB 6/50 WH	4044211089986	500 ST

Screwdriver

Screwdriver with bare blade, Colour: Black-grey



Article number	Article name	GTIN (EAN)	Packaging unit
<u>1087.0</u>	SDB 0,8x4,0	4044211014803	1 ST