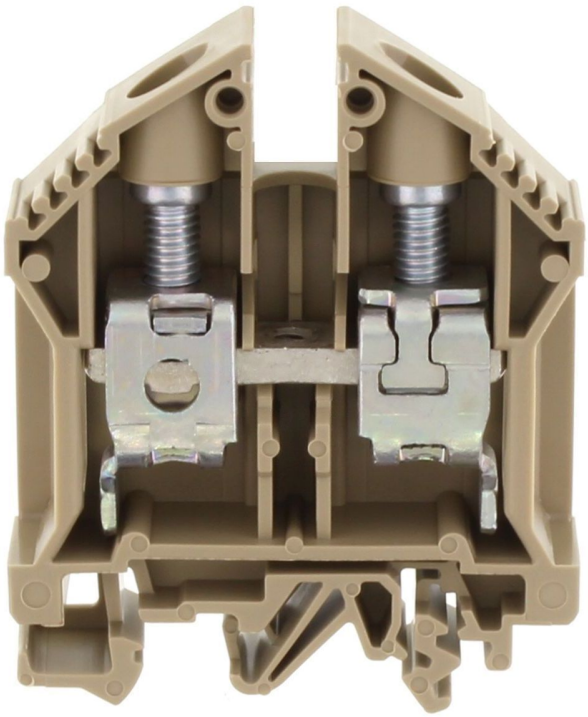
Data sheet

1432.2 RK 35 Ex BG



Ex feed-through terminal ATEX-certified, Screw connection, Mounting type:Mounting rail TS 35/7.5 and TS 32, Rated cross-section: 35 mm², Width: 16 mm, Colour: Beige

Business data

Article number	1432.2
Article name	RK 35 Ex BG
GTIN (EAN)	4044211044794
Explosion-proof version (EEx e)	yes
Packaging unit	20
Quantity unit	PC
Weight per piece (not including packaging)	57.4 g
Weight per piece (including packaging)	60.25 g
Unit of weight	G
Customs number	85369010
Country of origin	DE
Prio-Article	1432.2
Product description	Ex feed-through terminal ATEX-certified

Data sheet

1432.2 RK 35 Ex BG

Technical data

Dimensions

Length	58 mm
Width	16 mm
Height TS 35/7.5	71.5 mm
Height TS 32	76 mm

Ratings

Rated voltage	800 V
Rated current	125 A
Rated cross-section	35 mm²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	4 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 single core (rigid)/stranded, max.	50 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.	35 mm²
Wire cross-section AWG, min.	12
Wire cross-section AWG, max.	2
Stripping length	20 mm
Screw head	Slotted
Screw threading	M 6
Tightening torque, min.	2.5 Nm
Tightening torque, max.	5 Nm

Data sheet

1432.2 RK 35 Ex BG

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	B9
Number of cross-connection channels	1
End plate required	✓

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes

Approvals

Standards and regulations	
ATEX certification number	NEMKO ATEX 1136 U
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	100 A
CSA wire cross-section AWG, min.	12
CSA wire cross-section AWG, max.	2
CSA stripping length	20 mm
CSA torque, max.	5 Nm
CSA torque, min.	2.5 Nm
CSA File Number	042110_0_000

KEMA KEUR approval	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	800 V
KEMA rated current	125 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	2.5 mm²
KEMA wire cross-section single-core (rigid), max.	50 mm²
KEMA wire cross-section stranded, min.	2.5 mm²
KEMA wire cross-section stranded, max.	35 mm²

Approvals

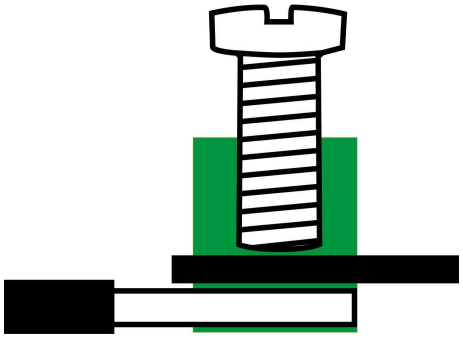
UL Recognized

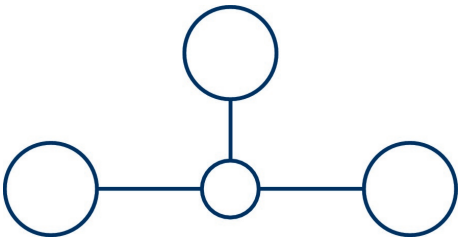
UL approval	UL 1059
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	110 A
UL wire cross-section single-core (rigid) AWG, min.	12
UL wire cross-section single-core (rigid) AWG, max.	2
UL wire cross-section stranded AWG, min.	12
UL wire cross-section stranded AWG, max.	2
UL torque	22 Lb In
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL File Number	E95701
UL Recognized	1

German Lloyd approval

DNV GL Certificate number	TAE000014T
DNV GL Location Classes	Temperature: B, Humidity: B, Vibration: A
DNV GL approval granted	1
DNV GL rated cross-section	35 mm²
DNV GL rated current	135 A
DNV GL rated voltage	750 V
DNV GL test standard	IEC 60947-7-1:2002

Media





Accessories

Cover

Cover, Length: 38 mm, Width: 12.9 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
2820.0	AD 1/16/B YE	4044211055462	20 ST

Cover, Length: 37.3 mm, Width: 16 mm, Colour: White

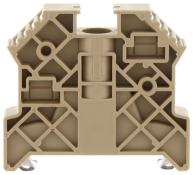
Article number	Article name	GTIN (EAN)	Packaging unit
2970.0	AD 1/16 WH	4044211056995	20 ST

End plate

End plate, Width: 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, 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 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2569.0	Q 4	4044211053598	20 ST

Data sheet

1432.2 RK 35 Ex BG

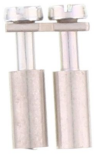
Cross-connector

Cross-connector, No. of poles: 10, Mounting type: Can be screwed on, Width: 49.9 mm, Rated cross-section: 2.5 mm², Colour: natural

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 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2568.0	Q 3	4044211053581	50 ST



Cross-connector, No. of poles: 2, Mounting type: Can be screwed on, Width: 9.1 mm, Rated cross-section: 2.5 mm², Colour: natural

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 with bare blade, Colour: Black-grey

Article number	Article name	GTIN (EAN)	Packaging unit
1085.0	SDB 0,5x3,0	4044211014643	1 ST

Test adapters

Data sheet

1432.2 RK 35 Ex BG

Test adapter, Length: 37.3 mm, Pitch size: 5 mm, Colour: Beige

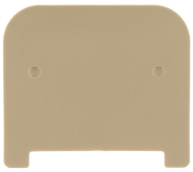
Article number	Article name	GTIN (EAN)	Packaging unit
2812.0	TA 5/1/ST	4044211055394	10 ST

Insulation plate

Insulation plate, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
2566.2	TRS 3 BG	4044211053567	100 ST

Partition plate



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