Data sheet

1582.5 RK 50-D BU



Feed-through terminal for direct mount, Screw connection, Mounting type: Mounting surface, Rated cross-section: 50 mm², Width: 20 mm, Colour: Blue

RAL: Ähnlich 5005

Business data

Article number	1582.5
Article name	RK 50-D BU
GTIN (EAN)	4044211047719
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	111.2 g
Weight per piece (including packaging)	122.4 g
Unit of weight	G
Customs number	85369010
Country of origin	CZ
Prio-Article	1582.2
Product description	Feed-through terminal for direct mount

Data sheet

1582.5 RK 50-D BU

Technical data

Dimensions

Length	109 mm
Width	20 mm
Height TS 35/7.5	65.75 mm

Ratings

Rated voltage	1000 V
Rated current	150 A
Rated cross-section	50 mm²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	4.8 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.	16 mm²
Wire cross-section single core (rigid)/stranded, max.	50 mm²
Wire cross-section stranded, min.	25 mm²
Wire cross-section stranded, max.	50 mm²
Wire cross-section stranded with wire-end ferrules, min.	25 mm²
Wire cross-section stranded with wire-end ferrules, max.	50 mm²
Wire cross-section AWG, min.	6
Wire cross-section AWG, max.	1/0
Stripping length	27 mm
Screw head	Inner hex (Allen)
Screw threading	M 6
Tightening torque, min.	6 Nm
Tightening torque, max.	8 Nm

Data sheet

1582.5 RK 50-D BU

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 face
Gauge plug acc. to EN 60 947-1	B10
Banded wire up to	11,8 x 5,0 mm

Environmental Product Compliance

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

Approvals

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	50 mm²
DNV GL rated current	150 A
DNV GL rated voltage	600 V
DNV GL test standard	IEC 60947-7-1:2002

UL Recognized

UL File Number	E95701
UL approval	UL 1059
UL Usegroup B: rated voltage	600 V
UL Usegroup B: rated current	150 A
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	150 A
UL wire cross-section single-core (rigid) AWG, min.	6
UL wire cross-section single-core (rigid) AWG, max.	1/0
UL wire cross-section stranded AWG, min.	6
UL wire cross-section stranded AWG, max.	1/0
UL torque	35 Lb In
UL wire material	Cu
UL factory wiring	1
UL Recognized	1

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	150 A
CSA wire cross-section AWG, min.	6
CSA wire cross-section AWG, max.	1/0
CSA stripping length	27 mm
CSA File Number	042110_0_000

Approvals

CSAus approval

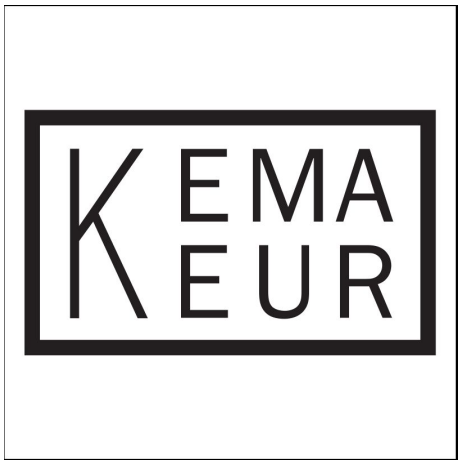
CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	600 V
CSAus Usegroup C: rated current	150 A
CSAus wire cross-section AWG, min.	6
CSAus wire cross-section AWG, max.	1/0
CSAus stripping length	27 mm
CSAus File Number	042110_0_000

KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	1000 V
KEMA rated current	150 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	16 mm²
KEMA wire cross-section single-core (rigid), max.	50 mm²
KEMA wire cross-section stranded, min.	25 mm²
KEMA wire cross-section stranded, max.	50 mm²

Media



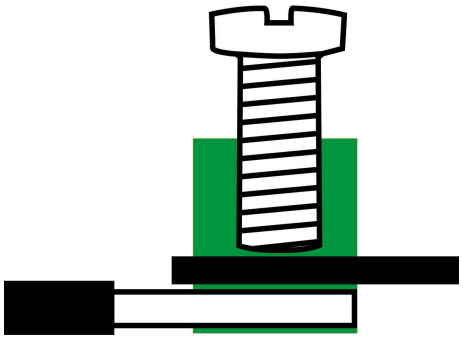














Data sheet

1582.5 RK 50-D BU

Accessories

Cover



Cover, Length: 50 mm, Width: 10 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
2810.0	AD 1/50/B YE	4044211055387	20 ST

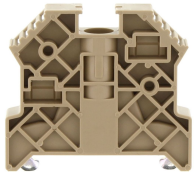
Inlay profile



Inlay plate, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2274.0	EP 50	4044211050818	10 ST

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

Allen key socket wrench



Inner hex key with bare blade

Article number	Article name	GTIN (EAN)	Packaging unit
2818.0	ISKS 5	4044211055448	1 ST

Measurement pick-off terminal



Measurement pick-off terminal, Screw connection, Mounting type: On base, Rated cross-section: 10 mm², Width: 10 mm, Colour: Beige

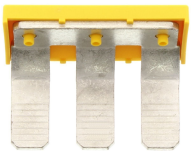
Article number	Article name	GTIN (EAN)	Packaging unit
1121.2	MAG 50 BG	4044211080914	10 ST

Insulated cross-connector



External insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 36.44 mm, Rated current: 150 A; Colour: Yellow

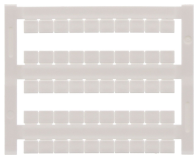
Article number	Article name	GTIN (EAN)	Packaging unit
2763.2	AQI 2/50 YE	4044211054939	5



External insulated cross-connector, No. of poles: 3, Mounting type: Plug in, Width: 57.04 mm, Rated current: 150 A; Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
2764.2	AQI 3/50 YE	4044211054946	5

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

##INVERSE##CONTA-CONNECT



Measurement pick-off terminal, Screw connection, Mounting type: On base, Rated cross-section: 10 mm², Width: 10 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
1121.2	MAG 50 BG	4044211080914	10 ST