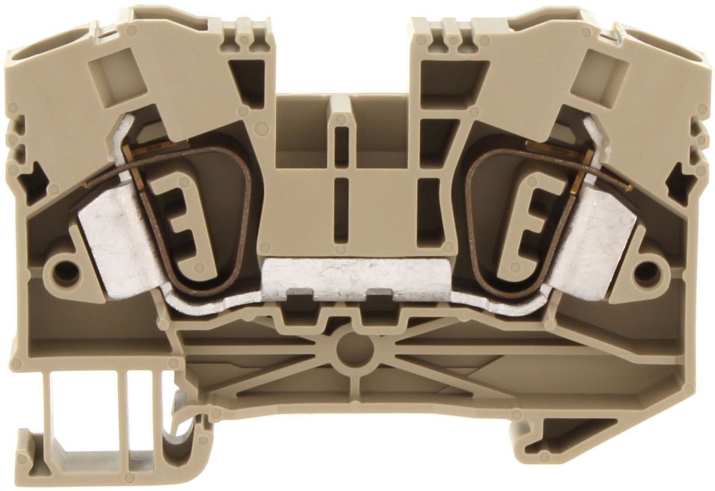
Data sheet

1720.2 ZRK 10/2A Ex BG



Ex feed-through terminal ATEX-certified, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 10 mm², Width: 10.1 mm, Colour: Beige

Business data

Article number	1720.2
Article name	ZRK 10/2A Ex BG
GTIN (EAN)	4044211059569
Explosion-proof version (EEx e)	yes
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	24.8 g
Weight per piece (including packaging)	26 g
Unit of weight	G
Customs number	85369010
Country of origin	DE
Prio-Article	1720.2
Product description	Ex feed-through terminal ATEX-certified

Data sheet

1720.2 ZRK 10/2A Ex BG

Technical data

Dimensions

Length	73.5 mm
Width	10.1 mm
Height TS 35/7.5	50.5 mm

Ratings

Rated voltage	1000 V
Rated current	57 A
Rated cross-section	10 mm²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	1.82 W

Connection data

Connection principle	Tension-spring connection
Connection position	Diagonal
Connections	2
Number of terminals per level	2
Number of levels	1
Wire cross-section single-core (rigid) / stranded, min.	1.5 mm²
Wire cross-section single core (rigid)/stranded, max.	16 mm²
Wire cross-section stranded, min.	1.5 mm²
Wire cross-section stranded, max.	10 mm²
Wire cross-section stranded with wire-end ferrules, min.	1.5 mm²
Wire cross-section stranded with wire-end ferrules, max.	10 mm²
Wire cross-section AWG, min.	16
Wire cross-section AWG, max.	6
Stripping length	18 mm

Materials

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C

Data sheet

1720.2 ZRK 10/2A Ex BG

Technical data

Further technical data

Mounting type	Mounting rail TS 35/7,5
Gauge plug acc. to EN 60 947-1	B6
Number of cross-connection channels	2
End plate required	✓
Number of test pick-off options	2

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

Data sheet

1720.2 ZRK 10/2A Ex BG

Approvals

Standards and regulations	
ATEX certification number	TÜV ATEX 7093 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	500 V
CSA Usegroup C: rated current	55 A
CSA wire cross-section AWG, min.	16
CSA wire cross-section AWG, max.	6
CSA stripping length	18 mm

CSAus approval	
CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	500 V
CSAus Usegroup C: rated current	55 A
CSAus wire cross-section AWG, min.	16
CSAus wire cross-section AWG, max.	6
CSAus stripping length	18 mm

KEMA KEUR approval	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	1000 V
KEMA rated current	57 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	15 mm²
KEMA wire cross-section single-core (rigid), max.	16 mm²
KEMA wire cross-section stranded, min.	15 mm²
KEMA wire cross-section stranded, max.	16 mm²

Approvals

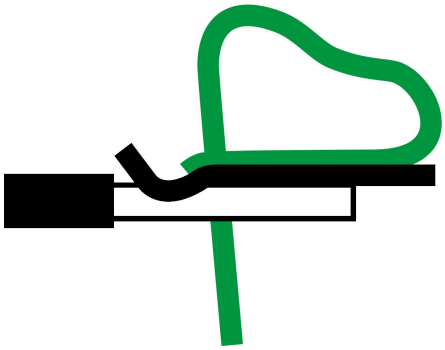
UL Recognized

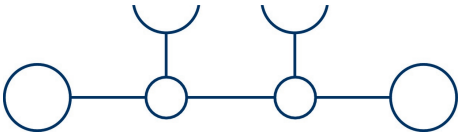
UL approval	UL 1059
UL Usegroup B: rated voltage	500 V
UL Usegroup B: rated current	55 A
UL Usegroup C: rated voltage	500 V
UL Usegroup C: rated current	55 A
UL Usegroup D: rated voltage	500 V
UL Usegroup D: rated current	55 A
UL wire cross-section single-core (rigid) AWG, min.	16
UL wire cross-section single-core (rigid) AWG, max.	6
UL wire cross-section stranded AWG, min.	16
UL wire cross-section stranded AWG, max.	6
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

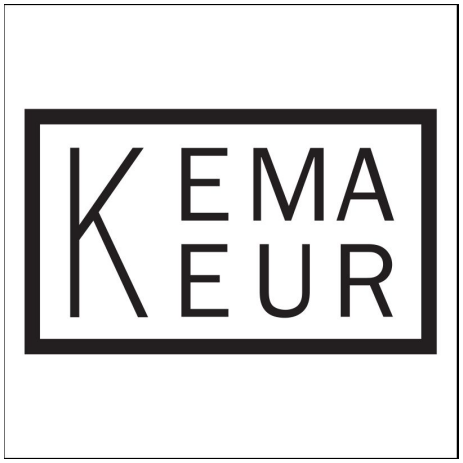
Data sheet

1720.2 ZRK 10/2A Ex BG

Media







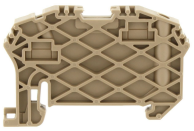
Accessories

End plate

End plate, Width: 2 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
3788.2	ZAP 10/2A BG	4044211061159	20

End stop



End stop, Mounting type: Mounting rail TS 35/7.5 and TS 35/15, Width: 6 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
3748.2	ZES 35 BG	4044211060572	50

Insulated cross-connector

Insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 17.4 mm, Rated cross-section: 10 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3789.8	ZQI 10/2 YE	4044211061173	20 ST

Quick marking

Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 8 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
9323.7	PMC SB 8/40 WH	4044211129231	400 ST

Four-way cover

Data sheet

1720.2 ZRK 10/2A Ex BG

Cover, Width: 40.4 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3709.0	ZAD 10/4/B YE	4044211060275	20 ST