



Feed-through terminal, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 6 mm², Width: 8.1 mm, Colour: Beige

#### **Business data**

Dusiness data		
Article number	<u>3581.2</u>	
Article name	ZRK 6/2A BG	
GTIN (EAN)	4044211151867	
Packaging unit	100	
Quantity unit	PC	
Weight per piece (not including packaging)	16.8 g	
Weight per piece (including packaging)	17.8 g	
Unit of weight	G	
Customs number	85369010	
Country of origin	CZ	
Prio-Article	3581.2	
Product description	Feed-through terminal	

# **Data sheet**





Technical data	
Dimensions	
Length	65 mm
Width	8.1 mm
Height TS 35/7.5	47.5 mm
Ratings	
Rated voltage	1000 V
Rated current	41 A
Rated cross-section	6 mm²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	1.31 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.	0.5 mm <sup>2</sup>
Wire cross-section single core (rigid)/stranded, max.	10 mm²
Wire cross-section stranded, min.	0.5 mm²
Wire cross-section stranded, max.	10 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.5 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, max.	6 mm <sup>2</sup>
Wire cross-section AWG, min.	22
Wire cross-section AWG, max.	8
Stripping length	13 mm
Materials	
Insulation housing	Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C



Further technical data	
Mounting type	Mounting rail TS 35/7,5
Gauge plug acc. to EN 60 947-1	A5
Number of cross-connection channels	1
End plate required	<b>√</b>
Number of test pick-off options	2
<b>Environmental Product Compliance</b>	
REACH Conform	Yes
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	Yes



Standards and regulations  EAC approval TR ZU 004/2011  EAC approval granted yes  CSA approval  CSA approval  CSA approval C22.2 No 158  CSA approval yes  CSA usegroup C: rated voltage 600 V  CSA Usegroup C: rated current 50 A  CSA wire cross-section AWG, min. 22  CSA wire cross-section AWG, max. 8  CSA stripping length 10 mm  CSAus approval  CSAus approval  CSAus approval  CSAus approval UL 1059  CSAus approval granted yes  CSAus Usegroup C: rated voltage 600 V		
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CSA approval         C22.2 No 158           CSA approval granted         yes           CSA Usegroup C: rated voltage         600 V           CSA Wire cross-section AWG, min.         22           CSA wire cross-section AWG, max.         8           CSA stripping length         10 mm           CSAus approval           CSAus approval         UL 1059           CSAus approval granted         yes           CSAus Usegroup C: rated voltage         600 V           CSAus Usegroup C: rated current         50 A           CSAus wire cross-section AWG, min.         22           CSAus wire cross-section AWG, max.         8           CSAus wire cross-section AWG, max.         8           CSAus stripping length         10 mm           CUL Recognized         cull approval           CUL usegroup B: rated voltage         600 V           CUL Usegroup B: rated voltage         600 V           CUL Usegroup C: rated current         50 A           CUL Usegroup D: rated voltage         600 V           CUL Usegroup D: rated voltage         600 V           CUL Usegroup D: rated voltage         600 V           CUL Usegroup D: rated current         50 A           CUL wire cross-section single-core (rigid) AWG, min.	EAC approval granted	yes
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cUL Usegroup D: rated voltage 600 V  cUL Usegroup D: rated current 50 A  cUL wire cross-section single-core (rigid) AWG, min. 22  cUL wire cross-section single-core (rigid) AWG, max. 8  cUL wire cross-section stranded AWG, min. 22  cUL wire cross-section stranded AWG, max. 8  cUL wire cross-section stranded AWG, max. 8  cUL wire material Cu	cUL Usegroup C: rated voltage	600 V
cUL Usegroup D: rated current 50 A  cUL wire cross-section single-core (rigid) AWG, min. 22  cUL wire cross-section single-core (rigid) AWG, max. 8  cUL wire cross-section stranded AWG, min. 22  cUL wire cross-section stranded AWG, max. 8  cUL wire material Cu	cUL Usegroup C: rated current	50 A
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cUL wire cross-section stranded AWG, min. 22 cUL wire cross-section stranded AWG, max. 8 cUL wire material Cu	cUL wire cross-section single-core (rigid) AWG, min.	22
cUL wire cross-section stranded AWG, max. 8 cUL wire material Cu	cUL wire cross-section single-core (rigid) AWG, max.	8
cUL wire material Cu	cUL wire cross-section stranded AWG, min.	22
	cUL wire cross-section stranded AWG, max.	8
cUL Recognized 1	cUL wire material	Cu
	cUL Recognized	1



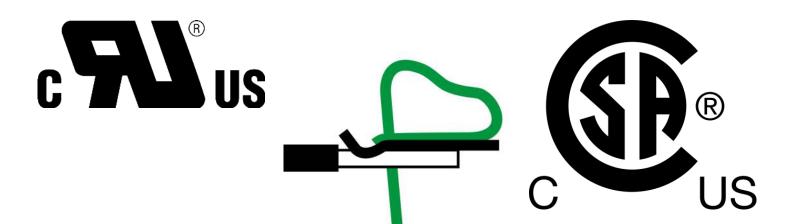
Annanala	
Approvals	
KEMA KEUR approval	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	1000 V
KEMA rated current	41 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	0.5 mm <sup>2</sup>
KEMA wire cross-section single-core (rigid), max.	10 mm²
KEMA wire cross-section stranded, min.	0.5 mm <sup>2</sup>
KEMA wire cross-section stranded, max.	10 mm²
UL Recognized	
UL approval	UL 1059
UL Usegroup B: rated voltage	600 V
UL Usegroup B: rated current	50 A
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	50 A
UL Usegroup D: rated voltage	600 V
UL Usegroup D: rated current	50 A
UL wire cross-section single-core (rigid) AWG, min.	22
UL wire cross-section single-core (rigid) AWG, max.	8
UL wire cross-section stranded AWG, min.	22
UL wire cross-section stranded AWG, max.	8
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

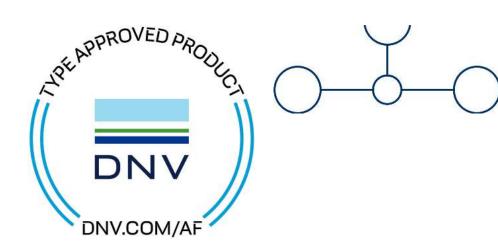


Approvals	
DNV GL Approval	
DNV GL Location Classes	Temperature: B, Humidity: B, Vibration: A
DNV GL approval granted	1
DNV GL rated cross-section	6 mm²
DNV GL rated current	41 A
DNV GL rated voltage	800 V
DNV GL test standard	IEC 60947-7-1:2009
DNV GL wire cross-section single-core (rigid), max.	10 mm²
DNV GL wire cross-section stranded, max.	6 mm²



Media









### Data sheet

### 3581.2 ZRK 6/2A BG



#### **Accessories**

#### **End plate**



End plate, Width: 2 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
3760.2	ZAP 6/2A BG	4044211060817	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: 15.7 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3763.8	ZQI 6/2 YE	4044211060893	50



Insulated cross-connector, No. of poles: 8, Mounting type: Plug in, Width: 64.3 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3769.8	ZQI 6/8 YE	4044211060954	10 ST



Insulated cross-connector, No. of poles: 9, Mounting type: Plug in, Width: 72.4 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3770.8	ZQI 6/9 YE	4044211060961	10 ST



#### Insulated cross-connector



Insulated cross-connector, No. of poles: 3, Mounting type: Plug in, Width: 23.8 mm,Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3764.8	ZQI 6/3 YE	4044211060909	50



Insulated cross-connector, No. of poles: 4, Mounting type: Plug in, Width: 31.9 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3765.8	ZQI 6/4 YE	4044211060916	20 ST



Insulated cross-connector, No. of poles: 7, Mounting type: Plug in, Width: 56.2 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3768.8	ZQI 6/7 YE	4044211060947	20 ST



Insulated cross-connector, No. of poles: 5, Mounting type: Plug in, Width: 31.9 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
3766.8	ZQI 6/5 YE	4044211060923	20 ST



Insulated cross-connector, No. of poles: 6, Mounting type: Plug in, Width: 48.1 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
<u>3767.8</u>	ZQI 6/6 YE	4044211060930	20 ST



Insulated cross-connector, No. of poles: 10, Mounting type: Plug in, Width: 80.5 mm, Rated cross-section: 6 mm², Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
<u>3771.8</u>	ZQI 6/10 YE	4044211060978	10 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

Cover, Length: 10.5 mm, Width: 32.4 mm, Colour: Yellow



Article number	Article name	GTIN (EAN)	Packaging unit
3708.0	ZAD 6/4/B YE	4044211060268	20 ST