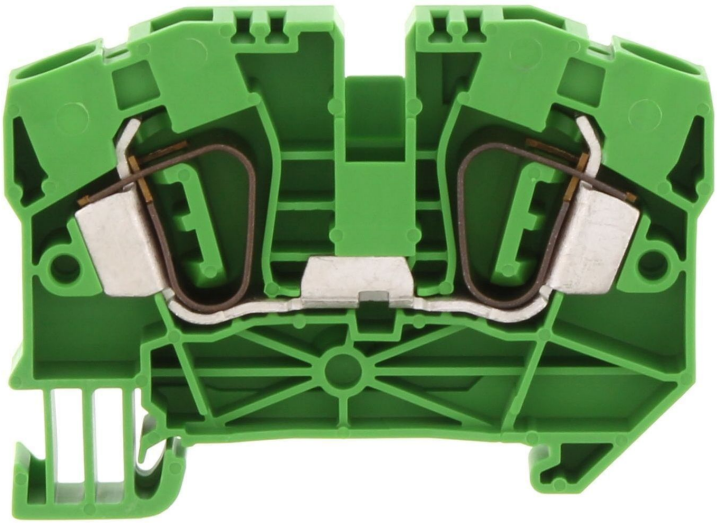
Data sheet

3581.1 ZRK 6/2A GN



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

Business data

Article number	3581.1
Article name	ZRK 6/2A GN
GTIN (EAN)	4044211151850
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

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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 mm²
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 mm²
Wire cross-section stranded with wire-end ferrules, max.	6 mm²
Wire cross-section AWG, min.	22
Wire cross-section AWG, max.	8
Stripping length	13 mm
Materials	
Insulation housing	Polyamide 6.6, Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C

Technical data

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	✓
Number of test pick-off options	2

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	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	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 stripping length	10 mm

cUL Recognized	
cUL approval	C22.2 No 158
cUL Usegroup B: rated voltage	600 V
cUL Usegroup B: rated current	50 A
cUL Usegroup C: rated voltage	600 V
cUL Usegroup C: rated current	50 A
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 material	Cu
cUL Recognized	1

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 mm²
KEMA wire cross-section single-core (rigid), max.	10 mm²
KEMA wire cross-section stranded, min.	0.5 mm²
KEMA wire cross-section stranded, max.	10 mm²

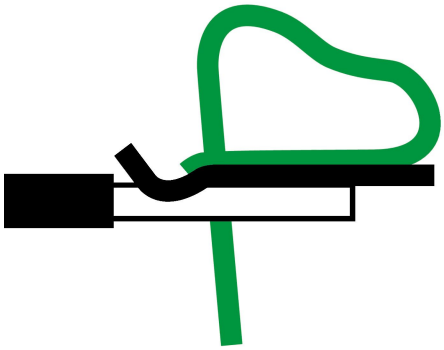
UL Recognized

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



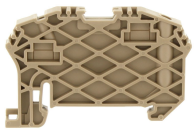
Accessories

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

Data sheet

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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
3767.8	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
3771.8	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