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

Dusiness data	
Article number	<u>3581.1</u>
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





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 ²
Wire cross-section single core (rigid)/stranded, max.	10 mm²
Wire cross-section stranded, min.	0.5 mm ²
Wire cross-section stranded, max.	10 mm ²
Wire cross-section stranded with wire-end ferrules, min.	0.5 mm ²
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
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C



3581.1 ZRK 6/2A GN

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 Candidate Substance Note	No





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





KEMA KEUR approval KEMA KEUR approval granted KEMA rated voltage KEMA rated voltage KEMA rated current KEMA rated impulse voltage KEMA wire cross-section single core (rigid), min. KEMA wire cross-section single-core (rigid), max. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, max. LO mm² KEMA wire cross-section stranded, max. LO mm² LE Recognized JL Recognized JL Usegroup B: rated voltage JL Usegroup B: rated current SO A JL Usegroup C: rated voltage JL Usegroup C: rated voltage JL Usegroup D: rated voltage JL Wire cross-section single-core (rigid) AWG, min. JL Wire cross-section stranded AWG, min. LU wire cross-section stranded AWG, min. LU wire cross-section stranded AWG, max. B JL wire material Cu JL factory wiring 1	Approvals	
KEMA KEUR approval granted KEMA rated voltage KEMA rated current KEMA rated impulse voltage KEMA wire cross-section single core (rigid), min. KEMA wire cross-section single-core (rigid), max. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, min. CEMA wire cross-section stranded, max. 10 mm² KEMA wire cross-section stranded, max. 10 mm² LEMA wire cross-section stranded, max. UL 1059 JL Recognized JL usegroup B: rated voltage JL Usegroup B: rated current JL Usegroup C: rated voltage G00 V JL Usegroup C: rated voltage G00 V JL Usegroup D: rated current 50 A JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire cross-section stranded AWG, max. 10 JL factory wiring 1 JL field wiring	KEMA KEUR approval	
KEMA rated voltage KEMA rated current KEMA rated impulse voltage KEMA wire cross-section single core (rigid), min. KEMA wire cross-section single-core (rigid), max. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, max. 10 mm² LEMA wire cross-section stranded witage 600 V LEMA wire cross-section cirrent 50 A LEMA wire cross-section single-core (rigid) AWG, min. 22 LEMA wire cross-section stranded AWG, min. 22 LEMA wire cross-section stranded AWG, min. 22 LEMA wire cross-section stranded AWG, max. 8 LEMA wire cross-section stranded AWG, max.	KEMA KEUR approval	EN 60947-7-1:2009
KEMA rated current KEMA rated impulse voltage KEMA wire cross-section single core (rigid), min. KEMA wire cross-section single-core (rigid), max. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, max. LO mm² CEMA wire cross-section stranded, max. LO mm² CEMA wire cross-section stranded, max. LO mm² LUL 1059 LU	KEMA KEUR approval granted	yes
KEMA rated impulse voltage KEMA wire cross-section single core (rigid), min. KEMA wire cross-section single-core (rigid), max. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, min. KEMA wire cross-section stranded, max. 10 mm² LEMA wire cross-section stranded, max. LEMA wire cross-section stranded with a constant with	KEMA rated voltage	1000 V
KEMA wire cross-section single core (rigid), min. KEMA wire cross-section single-core (rigid), max. LO mm² KEMA wire cross-section stranded, min. LEMA wire cross-section stranded, max. LO mm² LEMA wire cross-section stranded, max. LEMA wire cross-section stranded, max. LEMA wire cross-section stranded woltage LEMA wire cross-section single core (rigid) AWG, min. LEMA wire cross-section stranded AWG, min.	KEMA rated current	41 A
KEMA wire cross-section single-core (rigid), max. (EMA wire cross-section stranded, min. (EMA wire cross-section stranded, max. 10 mm² (EMA wire cross-section stranded, max. 10 mm² (EMA wire cross-section stranded, max. 10 mm² (I) Recognized (I) Lapproval (I) Lusegroup B: rated voltage (I) Lusegroup B: rated current (I) Lusegroup C: rated voltage (I) Lusegroup C: rated voltage (I) Lusegroup D: rated current (I) Lusegroup D: rated voltage (I) Lusegroup D: rated current (I) Lusegroup D: rat	KEMA rated impulse voltage	8 kV
KEMA wire cross-section stranded, min. CEMA wire cross-section stranded, max. DL Recognized JL approval JL Usegroup B: rated voltage JUL Usegroup B: rated current JUL Usegroup C: rated voltage JUL Usegroup C: rated current JUL Usegroup D: rated current JUL Usegroup D: rated voltage JUL Usegroup D: rated current JUL Usegroup D: rated current JUL Usegroup D: rated current JUL Wire cross-section single-core (rigid) AWG, min. JUL wire cross-section stranded AWG, min. JUL wire cross-section stranded AWG, max. BUL wire cross-section stranded AWG, max. BUL wire material JUL wire material JUL field wiring 1	KEMA wire cross-section single core (rigid), min.	0.5 mm²
KEMA wire cross-section stranded, max. JL Recognized JL approval JL Usegroup B: rated voltage JL Usegroup B: rated current 50 A JL Usegroup C: rated voltage 600 V JL Usegroup C: rated current 50 A JL Usegroup D: rated voltage 600 V JL Usegroup D: rated current 50 A JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire material Cu JL factory wiring 1 JL field wiring	KEMA wire cross-section single-core (rigid), max.	10 mm²
JL Recognized JL approval JL Usegroup B: rated voltage JL Usegroup B: rated current JL Usegroup C: rated voltage GOO V JL Usegroup C: rated voltage GOO V JL Usegroup C: rated current JL Usegroup D: rated current JL Usegroup D: rated voltage GOO V JL Usegroup D: rated current JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1 JL field wiring	KEMA wire cross-section stranded, min.	0.5 mm²
JL approval JL Usegroup B: rated voltage G00 V JL Usegroup B: rated current 50 A JL Usegroup C: rated voltage 600 V JL Usegroup C: rated voltage 600 V JL Usegroup D: rated current 50 A JL Usegroup D: rated voltage 600 V JL Usegroup D: rated current 50 A JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section single-core (rigid) AWG, max. 8 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1 JL field wiring	KEMA wire cross-section stranded, max.	10 mm²
JL Usegroup B: rated voltage JL Usegroup B: rated current 50 A JL Usegroup C: rated voltage 600 V JL Usegroup C: rated voltage 600 V JL Usegroup D: rated current 50 A JL Usegroup D: rated voltage 600 V JL Usegroup D: rated current 50 A JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1 JL field wiring	UL Recognized	
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 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, min. 22 UL wire cross-section stranded AWG, max. 8 UL wire material Cu UL factory wiring 1 UL field wiring	UL approval	UL 1059
UL Usegroup C: rated current 50 A UL Usegroup D: 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, min. 22 UL wire cross-section stranded AWG, max. 8 UL wire material Cu UL factory wiring 1 UL field wiring	UL Usegroup B: rated voltage	600 V
JL Usegroup C: rated current JL Usegroup D: rated voltage 600 V JL Usegroup D: rated current 50 A JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section single-core (rigid) AWG, max. 8 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1 JL field wiring	UL Usegroup B: rated current	50 A
JL Usegroup D: rated voltage 600 V JL Usegroup D: rated current 50 A JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section single-core (rigid) AWG, max. 8 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire cross-section stranded AWG, max. 10 JL factory wiring 11 JL field wiring 1	UL Usegroup C: rated voltage	600 V
JL Usegroup D: rated current JL wire cross-section single-core (rigid) AWG, min. JL wire cross-section single-core (rigid) AWG, max. 8 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1 JL field wiring	UL Usegroup C: rated current	50 A
JL wire cross-section single-core (rigid) AWG, min. 22 JL wire cross-section single-core (rigid) AWG, max. 8 JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1	UL Usegroup D: rated voltage	600 V
JL wire cross-section single-core (rigid) AWG, max. JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1	UL Usegroup D: rated current	50 A
JL wire cross-section stranded AWG, min. 22 JL wire cross-section stranded AWG, max. 8 JL wire material Cu JL factory wiring 1 JL field wiring	UL wire cross-section single-core (rigid) AWG, min.	22
UL wire cross-section stranded AWG, max. UL wire material UL factory wiring 1 UL field wiring	UL wire cross-section single-core (rigid) AWG, max.	8
UL wire material Cu UL factory wiring 1 UL field wiring 1	UL wire cross-section stranded AWG, min.	22
JL factory wiring 1 JL field wiring 1	UL wire cross-section stranded AWG, max.	8
JL field wiring 1	UL wire material	Cu
-	UL factory wiring	1
JL Recognized 1	UL field wiring	1
	UL Recognized	1

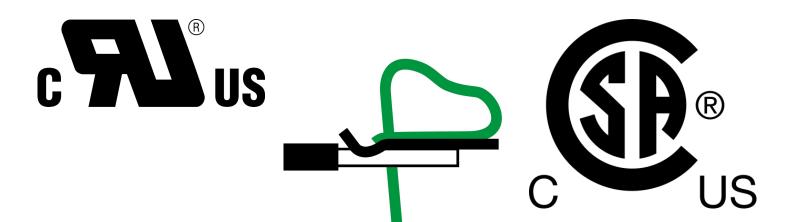
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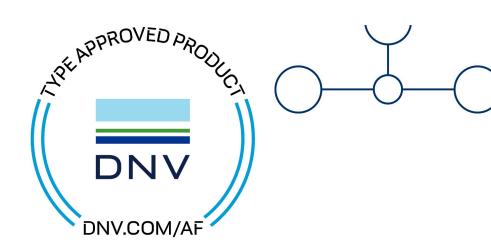


Approvals	
DNV GL Approval	
DNV GL Location Classes	Temperature: B, Humidity: B, Vibration: A
DNV GL approval granted	1
DNV GL rated cross-section	6 mm²
DNV GL rated current	41 A
DNV GL rated voltage	800 V
DNV GL test standard	IEC 60947-7-1:2009
DNV GL wire cross-section single-core (rigid), max.	10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

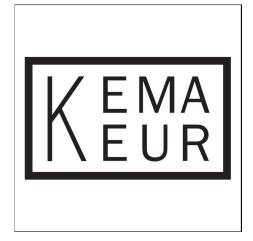


Media









3581.1 ZRK 6/2A GN



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

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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
<u>3765.8</u>	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

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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