



Feed-through terminal, Tension-spring connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 4 mm<sup>2</sup>, Width: 6.1 mm, Colour: Red

Business data	
Article number	<u>3516.9</u>
Article name	ZRK 4/3A RD
GTIN (EAN)	4044211111120
Packaging unit	100
Quantity unit	PC
Weight per piece (not including packaging)	12.6 g
Weight per piece (including packaging)	13.6 g
Unit of weight	G
Customs number	85369010
Country of origin	CZ
Prio-Article	3516.2
Product description	Feed-through terminal



### **Technical data**

DNV GL Approval	
DNV GL Location Classes	Temperature: B, Humidity: B, Vibration: A
DNV GL approval granted	1
DNV GL rated cross-section	4 mm <sup>2</sup>
DNV GL rated current	32 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.	6 mm <sup>2</sup>
DNV GL wire cross-section stranded, max.	4 mm <sup>2</sup>
Dimensions	
Length	78.5 mm
Width	6.1 mm
Height TS 35/7.5	42 mm
Ratings	
Rated voltage	800 V
Rated current	32 A
Rated cross-section	4 mm²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	1.02 W



### **Technical data**

Connection principle     Tension-spring connection       Connections     3       Number of terminals per level     3       Number of levels     1       Wire cross-section single-core (rigid) / stranded, min.     0.5 mm²       Wire cross-section stranded, min.     0.6 mm²       Wire cross-section stranded, min.     0.6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded, min.     0.5 mm²       Wire cross-section stranded, min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     Insulation housing       Insulation housing     Polyamide 6.6       Flarmability class UL 94     V-0       Working temperature, min.     -40 °C       Working temperature, max.     120 °C       Further technical data     Insulation housing       Mounting rail TS 35/7,5     Gauge plug acc. to EN 60 947-1       A4     Vumber of croses-connection channels     2	Connection data	
Connections     3       Number of terminals per level     3       Number of levels     1       Wire cross-section single-core (rigid) / stranded, min.     0.5 mm²       Wire cross-section single core (rigid)/stranded, max.     6 mm²       Wire cross-section stranded, min.     0.6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     1       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     √       Number of test pick-off options     2       End plate required     √       Number of test pick-off options     2    <	Connection principle	Tension-spring connection
Number of terminals per level     3       Number of levels     1       Wire cross-section single-core (rigid) / stranded, min.     0.5 mm²       Wire cross-section stranded, min.     0.6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     10       Insulation housing     Polyamide 6.6       Flammability class UL 94     V-0       Working temperature, min.     -40 °C       Working temperature, max.     120 °C       Further technical data     10       Mounting rail TS 35/7,5     Gauge plug acc. to EN 60 947-1       A4     Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       End plate required     ✓       Number of test pick-off options	Connection position	Diagonal
Number of levels     1       Wire cross-section single-core (rigid) / stranded, min.     0.5 mm²       Wire cross-section single core (rigid)/stranded, max.     6 mm²       Wire cross-section stranded, min.     0.6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     10       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       End plate required     ✓       Number of test pick-off options     2       ERACH Reference date     202	Connections	3
Wire cross-section single-core (rigid) / stranded, min.     0.5 mm²       Wire cross-section single core (rigid)/stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded with wire-end ferrules, min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules, max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     12 mm       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Encondent equired     ✓       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Condidate Substance Note	Number of terminals per level	3
Wire cross-section single core (rigid)/stranded, max.     6 mm²       Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded with wire-end ferrules, min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules, max.     4 mm²       Wire cross-section stranded with wire-end ferrules, max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     10       Insulation housing     Polyamide 6.6       Flammability class UL 94     V-0       Working temperature, min.     -40 °C       Working temperature, max.     120 °C       Further technical data     10 °C       Mounting type     Mounting rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       End Plate required     ✓       Number of test pick-off options     2       Encoremental Product Compliance     ges       REACH Conform     yes       REACH Reference date     2022-01-07	Number of levels	1
Wire cross-section stranded, min.     0.6 mm²       Wire cross-section stranded max.     6 mm²       Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     10       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       End plate required     ✓       Number of test pick-off options     2       Encyronmental Product Compliance     2022-01-07       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Condidate Substance Note     No </td <td>Wire cross-section single-core (rigid) / stranded, min.</td> <td>0.5 mm²</td>	Wire cross-section single-core (rigid) / stranded, min.	0.5 mm²
Wire cross-section stranded, max.     6 mm²       Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     10       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     √       Number of test pick-off options     2       Environmental Product Compliance     REACH Conform       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Wire cross-section single core (rigid)/stranded, max.	6 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules,min.     0.5 mm²       Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     10       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     REACH Conform       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Wire cross-section stranded, min.	0.6 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules,max.     4 mm²       Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     12 mm       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     √       Number of test pick-off options     2       Environmental Product Compliance     REACH Conform       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Wire cross-section stranded, max.	6 mm <sup>2</sup>
Wire cross-section AWG, min.     20       Wire cross-section AWG, max.     10       Stripping length     12 mm       Materials     Insulation housing       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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     REACH Conform       REACH Reference date     2022-01-07       REACH Reference date     2022-01-07	Wire cross-section stranded with wire-end ferrules,min.	0.5 mm²
Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °CWorking temperature, max.120 °CFurther technical dataMounting rail TS 35/7,5Gauge plug acc. to EN 60 947-1A4Number of cross-connection channels2End plate required√Number of test pick-off options2Environmental Product ComplianceREACH ConformyesREACH Reference date2022-01-07REACH Candidate Substance NoteNo	Wire cross-section stranded with wire-end ferrules,max.	4 mm <sup>2</sup>
Stripping length     12 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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     2       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Wire cross-section AWG, min.	20
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 rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     2       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Wire cross-section AWG, max.	10
Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °CWorking temperature, max.120 °CFurther technical data120 °CMounting typeMounting rail TS 35/7,5Gauge plug acc. to EN 60 947-1A4Number of cross-connection channels2End plate required√Number of test pick-off options2Environmental Product ComplianceREACH ConformyesREACH Reference date2022-01-07REACH Candidate Substance NoteNo	Stripping length	12 mm
Flammability class UL 94     V-0       Working temperature, min.     -40 °C       Working temperature, max.     120 °C       Further technical data     Mounting rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     2       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Materials	
Working temperature, min40 °CWorking temperature, max.120 °CFurther technical dataMounting typeMounting rail TS 35/7,5Gauge plug acc. to EN 60 947-1A4Number of cross-connection channels2End plate required✓Number of test pick-off options2Environmental Product ComplianceREACH ConformyesREACH Reference date2022-01-07REACH Candidate Substance NoteNo	Insulation housing	Polyamide 6.6
Working temperature, max.     120 °C       Further technical data     Mounting rail TS 35/7,5       Mounting type     Mounting rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     2       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Flammability class UL 94	V-0
Further technical data       Mounting type     Mounting rail TS 35/7,5       Gauge plug acc. to EN 60 947-1     A4       Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     V       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Working temperature, min.	-40 °C
Mounting typeMounting rail TS 35/7,5Gauge plug acc. to EN 60 947-1A4Number of cross-connection channels2End plate required✓Number of test pick-off options2Environmental Product Compliance2REACH ConformyesREACH Reference date2022-01-07REACH Candidate Substance NoteNo	Working temperature, max.	120 °C
Gauge plug acc. to EN 60 947-1   A4     Number of cross-connection channels   2     End plate required   ✓     Number of test pick-off options   2     Environmental Product Compliance   2     REACH Conform   yes     REACH Reference date   2022-01-07     REACH Candidate Substance Note   No	Further technical data	
Number of cross-connection channels     2       End plate required     ✓       Number of test pick-off options     2       Environmental Product Compliance     2       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	Mounting type	Mounting rail TS 35/7,5
End plate required✓Number of test pick-off options2Environmental Product Compliance2REACH ConformyesREACH Reference date2022-01-07REACH Candidate Substance NoteNo	Gauge plug acc. to EN 60 947-1	A4
Number of test pick-off options   2     Environmental Product Compliance   2     REACH Conform   yes     REACH Reference date   2022-01-07     REACH Candidate Substance Note   No	Number of cross-connection channels	2
Environmental Product Compliance       REACH Conform     yes       REACH Reference date     2022-01-07       REACH Candidate Substance Note     No	End plate required	✓
REACH Conform   yes     REACH Reference date   2022-01-07     REACH Candidate Substance Note   No	Number of test pick-off options	2
REACH Reference date   2022-01-07     REACH Candidate Substance Note   No	Environmental Product Compliance	
REACH Candidate Substance Note No	REACH Conform	yes
	REACH Reference date	2022-01-07
RoHS Conform yes	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	35 A
CSA wire cross-section AWG, min.	20
CSA wire cross-section AWG, max.	10
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	35 A
CSAus wire cross-section AWG, min.	20
CSAus wire cross-section AWG, max.	10
CSAus stripping length	10 mm
KEMA KEUR approval	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	800 V
KEMA rated current	32 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	0.6 mm <sup>2</sup>
KEMA wire cross-section single-core (rigid), max.	6 mm <sup>2</sup>
KEMA wire cross-section stranded, min.	0.6 mm²
KEMA wire cross-section stranded, max.	6 mm <sup>2</sup>

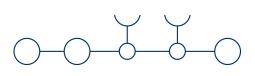


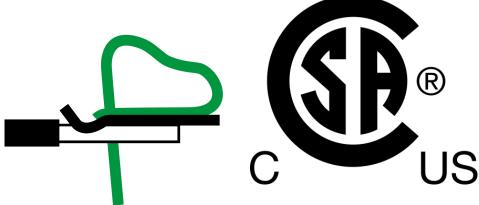
### Approvals

UL Recognized	
UL approval	UL 1059
UL Usegroup B: rated voltage	600 V
UL Usegroup B: rated current	35 A
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	35 A
UL Usegroup D: rated voltage	600 V
UL Usegroup D: rated current	35 A
UL wire cross-section single-core (rigid) AWG, min.	20
UL wire cross-section single-core (rigid) AWG, max.	10
UL wire cross-section stranded AWG, min.	20
UL wire cross-section stranded AWG, max.	10
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1



#### Media

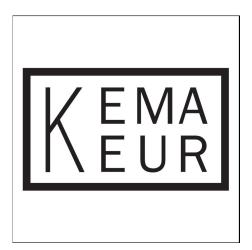






EHC







#### Accessories

#### End plate

End plate, Widt	h: 2 mm, Colour: Beige		
Article number	Article name	GTIN (EAN)	Packaging unit
3704.2	ZAP 4/3A BG	4044211060176	50

#### 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: 4, Mounting type: Plug in, Width: 22.3 mm, Rated cross-section: 4 mm <sup>2</sup> , Colour: Yellow			
, , , ,	Article number	Article name	GTIN (EAN)	Packaging unit
1111	3722.8	ZQI 4/4 YE	4044211060404	20
	Insulated cross-connector, No. of poles: 6, Mounting type: Plug in, Width: 34.5 mm, Rated cross-section: 4 mm <sup>2</sup> , Colour: Yellow			.5 mm,
	Article number	Article name	GTIN (EAN)	Packaging unit
	3724.8	ZQI 4/6 YE	4044211060428	20
		connector, No. of poles: 2, Mounting ection: 4 mm², Colour: Yellow	type: Plug in, Width: 10	.1 mm,
11	Article number	Article name	GTIN (EAN)	Packaging unit
1.1	3720.8	ZQI 4/2 YE	4044211060381	50



#### Insulated cross-connector

00000	Article number	Article name	GTIN (EAN)	Packaging unit
1 1 1 1 1	3723.8	ZQI 4/5 YE	4044211060411	20
		s-connector, No. of poles: 9, Mo ection: 4 mm², Colour: Yellow	unting type: Plug in, Width:	52.8 mm,
	Article number	Article name	GTIN (EAN)	Packaging unit
	3727.8	ZQI 4/9 YE	4044211060459	10
		s-connector, No. of poles: 3, Mo ection: 4 mm², Colour: Yellow	unting type: Plug in, Width:	
1 1 1	Article number	Article name	GTIN (EAN)	Packaging unit
	3721.8	ZQI 4/3 YE	4044211060398	50
		s-connector, No. of poles: 10, M ection: 4 mm², Colour: Yellow Article name	ounting type: Plug in, Width GTIN (EAN)	n: 58.9 mm, Packaging unit
	3728.8	ZQI 4/10 YE	4044211060466	10
		s-connector, No. of poles: 7, Mo ection: 4 mm², Colour: Yellow	unting type: Plug in, Width:	40.6 mm,
	Article number	Article name	GTIN (EAN)	Packaging unit
	3725.8	ZQI 4/7 YE	4044211060435	20
		s-connector No. of poles: 8 Mo	unting type: Plug in, Width:	46.7 mm,
		ection: 4 mm <sup>2</sup> , Colour: Yellow		
		•	GTIN (EAN)	Packaging unit

#### **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	

#### Four-way cover

	Cover, Length:	8 mm, Width: 24.4 mm, Colour: Yellow		
4444	Article number	Article name	GTIN (EAN)	Packaging unit
	3707.0	ZAD 4/4/B YE	4044211060251	20 ST