

Three-level initiator terminal, Screw connection, Mounting type:Mounting rail TS 35/7.5 and TS 32, Rated cross-section: 2.5 mm², Width: 5 mm, Colour: Beige

### Business data

Article number	<u>1278.2</u>
Article name	IK 2,5 NPN/DC/LED(GN)/48V BG
GTIN (EAN)	4044211038021
Packaging unit	100
Quantity unit	PC
Weight per piece (not including packaging)	10.2 g
Weight per piece (including packaging)	11.06 g
Unit of weight	G
Customs number	85369010
Country of origin	BG
Product description	Three-level initiator terminal
Colour	Beige

## 1278.2 IK 2,5 NPN/DC/LED(GN)/48V BG

### Technical data

#### Dimensions

Length	62.8 mm
Width	5 mm
Height TS 35/7.5	58.3 mm
Height TS 32	62.8 mm

#### Ratings

Rated voltage	250 V
Rated current	24 A
Rated cross-section	2.5 mm <sup>2</sup>
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	2.3 W

#### Connection data

Connection principle	Screw connection
Connection position	Lateral
Connections	4
Number of levels	3
Wire cross-section single-core (rigid) / stranded, min.	0.2 mm <sup>2</sup>
Wire cross-section single core (rigid)/stranded, max.	4 mm <sup>2</sup>
Wire cross-section stranded, min.	0.2 mm <sup>2</sup>
Wire cross-section stranded, max.	4 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, min.	0.2 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm <sup>2</sup>
Wire cross-section AWG, min.	22
Wire cross-section AWG, max.	14
Stripping length	7 mm
Screw head	Slotted
Screw threading	M 2,4
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.8 Nm

### Technical data

#### Materials

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-2
Working temperature, min.	-40 °C
Working temperature, max.	105 °C

#### Further technical data

Mounting type	Mounting rail TS 35/7.5 and TS 32
Gauge plug acc. to EN 60 947-1	A3
Number of cross-connection channels	3
End plate required	✓
Can be cross-connected	✓
Colour of lamp	Green
LED switching for	NPN

#### Environmental Product Compliance

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

### Approvals

#### cUL Recognized

cUL approval	C22.2 No 158
cUL Usegroup B: rated voltage	300 V
cUL Usegroup B: rated current	20 A
cUL Usegroup C: rated voltage	300 V
cUL Usegroup C: rated current	20 A
cUL wire cross-section single-core (rigid) AWG, min.	22
cUL wire cross-section single-core (rigid) AWG, max.	12
cUL wire cross-section stranded AWG, min.	22
cUL wire cross-section stranded AWG, max.	12
cUL torque	5.3 Nm
cUL wire material	Cu
cUL Recognized	1

#### KEMA KEUR approval

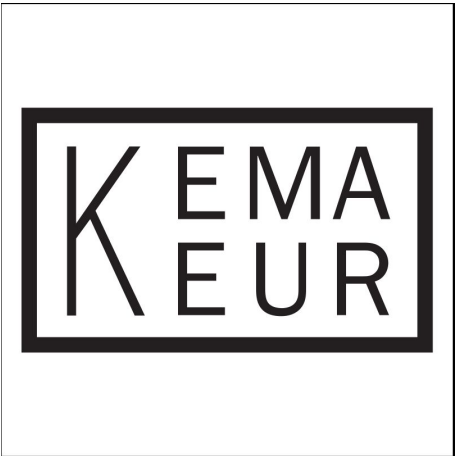
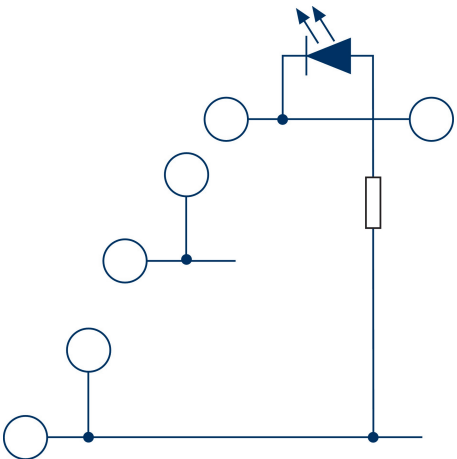
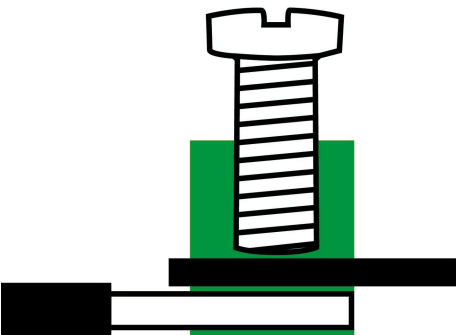
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	250 V
KEMA rated current	24 A
KEMA rated impulse voltage	4 kV
KEMA wire cross-section single core (rigid), min.	0.2 mm <sup>2</sup>
KEMA wire cross-section single-core (rigid), max.	4 mm <sup>2</sup>
KEMA wire cross-section stranded, min.	0.2 mm <sup>2</sup>
KEMA wire cross-section stranded, max.	4 mm <sup>2</sup>
KEMA torque, min.	0.4 Nm
KEMA torque, max.	0.8 Nm

### Approvals

#### UL Recognized

UL approval	UL 1059
UL Usegroup B: rated voltage	300 V
UL Usegroup B: rated current	20 A
UL Usegroup C: rated voltage	300 V
UL Usegroup C: rated current	20 A
UL wire cross-section single-core (rigid) AWG, min.	22
UL wire cross-section single-core (rigid) AWG, max.	12
UL wire cross-section stranded AWG, min.	22
UL wire cross-section stranded AWG, max.	12
UL torque	5.3 Lb In
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Media



### Accessories

#### End plate



End plate, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2698.2</u>	AP 2,5/I BG	4044211054373	20

#### Mounting screw



Mounting screw, M 2.5, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2326.0</u>	BS M 2,5x10	4044211051112	100 ST

#### Cross-connector



Cross-connector, No. of poles: 20, Mounting type: Can be screwed on, Width: 100.9 mm, Rated cross-section: 2.5 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2700.0</u>	Q 20	4044211054410	10 ST



Cross-connector, No. of poles: 98, Mounting type: Screwable, Width: 500 mm, Rated cross-section: 2.5 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2151.0</u>	Q 0,5 m/98 Pole	4044211049720	1 ST



Cross-connector, No. of poles: 10, Mounting type: Can be screwed on, Width: 49.9 mm, Rated cross-section: 2.5 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2425.0</u>	Q 10	4044211052072	10 ST

## 1278.2 IK 2,5 NPN/DC/LED(GN)/48V BG

### Cross-connector



Cross-connector, No. of poles: 2, Mounting type: Can be screwed on, Width: 9.1 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2422.0</u>	Q 2	4044211052041	50 ST



Cross-connector, No. of poles: 3, Mounting type: Can be screwed on, Width: 14.2 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2423.0</u>	Q 3	4044211052058	50 ST



Cross-connector, No. of poles: 4, Mounting type: Can be screwed on, Width: 19.3 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2424.0</u>	Q 4	4044211052065	20 ST

### Cross-connection rail



Cross-connection rail, No. of poles: 10, Mounting type: Can be screwed on, Width: 49.9 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2420.0</u>	QS 10	4044211052027	10 ST



Cross-connection rail, No. of poles: 98, Mounting type: Can be screwed on, Width: 500 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2519.0</u>	QS 0,5 m	4044211053215	1 ST



## 1278.2 IK 2,5 NPN/DC/LED(GN)/48V BG

### Cross-connection rail

Cross-connection rail, No. of poles: 4, Mounting type: Can be screwed on, Width: 19.3 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural



Article number	Article name	GTIN (EAN)	Packaging unit
<u>2419.0</u>	QS 4	4044211052010	50 ST

Cross-connection rail, No. of poles: 3, Mounting type: Can be screwed on, Width: 14.2 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural



Article number	Article name	GTIN (EAN)	Packaging unit
<u>2418.0</u>	QS 3	4044211052003	100 ST

Cross-connection rail, No. of poles: 2, Mounting type: Can be screwed on, Width: 9.1 mm, Rated cross-section: 2.5 mm<sup>2</sup>, Colour: natural



Article number	Article name	GTIN (EAN)	Packaging unit
<u>2417.0</u>	QS 2	4044211051990	100 ST

### Quick marking



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

Article number	Article name	GTIN (EAN)	Packaging unit
<u>4600.7</u>	PMC SB 5/50 WH	4044211088903	500 ST

### Screwdriver

Screwdriver with bare blade, Colour: Black-grey



Article number	Article name	GTIN (EAN)	Packaging unit
<u>1085.0</u>	SDB 0,5x3,0	4044211014643	1 ST

### Connecting sleeve

# Data sheet

## 1278.2 IK 2,5 NPN/DC/LED(GN)/48V BG



Connecting sleeve, Colour: natural



Article number	Article name	GTIN (EAN)	Packaging unit
<u>2327.0</u>	VH 5	4044211051129	100 ST