



Three-level initiator terminal, Screw connection, Mounting type:Mounting rail TS 35/7.5 and TS 32, Rated cross-section: 2.5 mm<sup>2</sup>, Width: 5 mm, Colour: Beige

| Business data                              |                                |
|--|--------------------------------|
| Article number                             | <u>1279.2</u>                  |
| Article name                               | IK 2,5 NPN/DC/LED(RD)/ 60V BG  |
| GTIN (EAN)                                 | 4044211038168                  |
| 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                          |
|  |                                |

### **Business data**



### **Technical data**

| Width5 mmHeight TS 35/7.558.3 mmHeight TS 3262.8 mmRatings8Rated voltage250 VRated voltage24 ARated current24 ARated current2.5 mm²Rated inpulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection functionConnection principleScrew connectionConnections4Number of levels3Wire cross-section single core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Dimensions   |                     |
|--|--|---------------------|
| Height TS 35/7.558.3 mmHeight TS 3262.8 mmRatings8250 VRated voltage250 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnectionConnection principleScrew connectionConnection principleScrew connectionConnection principle3Wire cross-section single-core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.2.5 mm²Wire cross-section AWG, min.22   | Length   | 62.8 mm             |
| Height TS 3262.8 mmRatingsRated voltage250 VRated voltage24 ARated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²     | Width  | 5 mm                |
| RatingsRated voltage250 VRated voltage24 ARated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection fractionConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm² | Height TS 35/7.5   | 58.3 mm             |
| Rated voltage250 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection data2.5 crew connectionConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid)/stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22  | Height TS 32   | 62.8 mm             |
| Rated current24 ARated current2.5 mm²Rated ross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleConnection positionLateralConnection position2.4 mm²Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22   | Ratings  |                     |
| Rated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnectionConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Rated voltage  | 250 V               |
| Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection data2.3 WConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Rated current  | 24 A                |
| Overvoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection data2.3 WConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22   | Rated cross-section                                      | 2.5 mm <sup>2</sup> |
| Contamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Rated impulse voltage                                    | 4 kV                |
| Maximum power dissipation for nominal condition2.3 WConnection dataScrew connectionConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22   | Overvoltage category                                     | III                 |
| Connection dataConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22   | Contamination degree                                     | 3                   |
| Connection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Maximum power dissipation for nominal condition          | 2.3 W               |
| Connection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Connection data  |                     |
| Connections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22  | Connection principle                                     | Screw connection    |
| Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22  | Connection position                                      | Lateral             |
| Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22   | Connections  | 4                   |
| Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22   | Number of levels   | 3                   |
| Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22   | Wire cross-section single-core (rigid) / stranded, min.  | 0.2 mm <sup>2</sup> |
| Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22   | Wire cross-section single core (rigid)/stranded, max.    | 4 mm <sup>2</sup>   |
| Wire cross-section stranded with wire-end ferrules,<br>min.0.2 mm²Wire cross-section stranded with wire-end ferrules,<br>max.2.5 mm²Wire cross-section AWG, min.22   | Wire cross-section stranded, min.                        | 0.2 mm <sup>2</sup> |
| min.   0.2 mm²     Wire cross-section stranded with wire-end ferrules,<br>max.   2.5 mm²     Wire cross-section AWG, min.   22   | Wire cross-section stranded, max.                        | 4 mm <sup>2</sup>   |
| max.2.5 mm²Wire cross-section AWG, min.22  | 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, max. 14  | Wire cross-section AWG, min.                             | 22                  |
|  | Wire cross-section AWG, max.                             | 14                  |
| Stripping length 7 mm  | Stripping length   | 7 mm                |
| Screw head Slotted   | Screw head   | Slotted             |
| Screw threading M 2,4  | Screw threading  | M 2,4               |
| Tightening torque, min. 0.4 Nm   | Tightening torque, min.                                  | 0.4 Nm              |
| Tightening torque, max.0.8 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                  | $\checkmark$                      |  |
| Can be cross-connected              | $\checkmark$                      |  |
| Colour of lamp                      | Red                               |  |
| LED switching for                   | NPN                               |  |
| Environmental Product Compliance    |                                   |  |
| REACH Conform                       | yes                               |  |
| REACH Reference date                | 2023-01-17                        |  |
| 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              |

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## Approvals

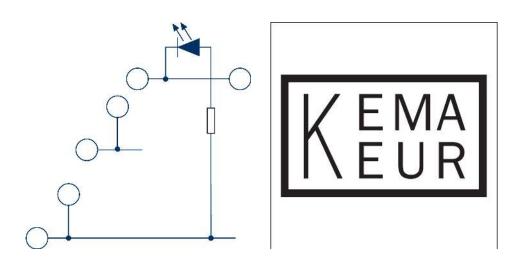
| UL Recognized                                       |           |
|---|-----------|
| UL approval   | UL 1059   |
| UL Usegroup B: rated voltage                        | 300 V     |
| UL Usegroup B: rated current                        | 20 A      |
| UL Usegroup C: rated voltage                        | 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         |
|   |           |



**ZCONTACLIP** 

Media





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### Accessories

### End plate

| End plate, Cold | our: Beige   |               |                   |
|-----------------|--------------|---------------|-------------------|
| Article number  | Article name | GTIN (EAN)    | Packaging<br>unit |
| 2698.2          | AP 2,5/I BG  | 4044211054373 | 20                |

### **Quick marking**

|   | Terminal marke | r / Pocket Maxicard, Length: 5 mm, Width | n: 5 mm, Colour: White |                   |
|---|----------------|--|------------------------|-------------------|
| I | Article number | Article name                             | GTIN (EAN)             | Packaging<br>unit |
|   | 4600.7         | PMC SB 5/50 WH                           | 4044211088903          | 500 ST            |

|                                    |                          | or, No. of poles: 20, Mounting t<br>ction: 2.5 mm², Colour: natura | type: Can be screwed on, Width<br>I             | n: 100.9 mm,              |
|------------------------------------|--------------------------|--|---|---------------------------|
| *****                              | Article number           | Article name   | GTIN (EAN)                                      | Packaging<br>unit         |
|                                    | 2700.0                   | Q 20   | 4044211054410                                   | 10 ST                     |
|                                    |                          | or, No. of poles: 98, Mounting t<br>2.5 mm², Colour: natural       | type: Screwable, Width: 500 mn                  | n, Rated                  |
| Hore with the second second second | Article number           | Article nome   |   | Packaging                 |
|                                    | Article number           | Article name   | GTIN (EAN)                                      | Packaging<br>unit         |
|                                    | Article number           | Article name<br>Q 0,5 m/98 Pole                                    | <b>GTIN (EAN)</b><br>4044211049720              | Packaging<br>unit<br>1 ST |
|                                    | 2151.0<br>Cross-connecto | Q 0,5 m/98 Pole  | 4044211049720<br>type: Can be screwed on, Width | unit<br>1 ST              |
|                                    | 2151.0<br>Cross-connecto | Q 0,5 m/98 Pole<br>or, No. of poles: 10, Mounting t                | 4044211049720<br>type: Can be screwed on, Width | unit<br>1 ST              |



#### **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<br>unit |
| 2422.0  | Q 2   | 4044211052041          | 50 ST             |
|   | or, No. of poles: 3, Mounting type: Car<br>ection: 2.5 mm², Colour: natural | n be screwed on, Width | n: 14.2 mm,       |
| Article number  | Article name  | GTIN (EAN)             | Packaging<br>unit |
| 2423.0  | Q 3   | 4044211052058          | 50 ST             |
|   | or, No. of poles: 4, Mounting type: Car<br>ection: 2.5 mm², Colour: natural | n be screwed on, Width | n: 19.3 mm,       |
| Article number  | Article name  | GTIN (EAN)             | Packaging<br>unit |
| 2424.0  | 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

| 000000000000000000000000000000000000000 | Article number | Article name  | GTIN (EAN)              | Packaging<br>unit |
|---|----------------|---|-------------------------|-------------------|
|   | 2420.0         | QS 10   | 4044211052027           | 10 ST             |
|   |                | on rail, No. of poles: 98, Mounting typ<br>ss-section: 2.5 mm², Colour: natural | e: Can be screwed on, \ | Width: 500        |
|   | Article number | Article name  | GTIN (EAN)              | Packaging<br>unit |
|   | 2519.0         | QS 0,5 m  | 4044211053215           | 1 ST              |
|   |                | on rail, No. of poles: 4, Mounting type<br>ss-section: 2.5 mm², Colour: natural | : Can be screwed on, W  | 'idth: 19.3       |
|   |                |   |                         |                   |
| 000000000000000000000000000000000000000 | Article number | Article name  | GTIN (EAN)              | Packaging<br>unit |



#### **Cross-connection rail**

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

| 000000000000 | Article number | Article name | GTIN (EAN)    | Packaging<br>unit |
|--------------|----------------|--------------|---------------|-------------------|
|              | 2418.0         | 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<br>unit |
|--|----------------|--------------|---------------|-------------------|
|  | 2417.0         | QS 2         | 4044211051990 | 100 ST            |

#### Screwdriver

|             | Screwdriver with bare blade, Colour: Black-grey |              |               |                   |  |
|-------------|---|--------------|---------------|-------------------|--|
| - Bottineer | Article number                                  | Article name | GTIN (EAN)    | Packaging<br>unit |  |
|             | 1085.0  | SDB 0,5x3,0  | 4044211014643 | 1 ST              |  |

### **Connecting sleeve**

|          | Connecting sleeve, Colour: natural |              |               |                   |  |  |
|----------|------------------------------------|--------------|---------------|-------------------|--|--|
| 17 miles | Article number                     | Article name | GTIN (EAN)    | Packaging<br>unit |  |  |
|          | 2327.0                             | VH 5         | 4044211051129 | 100 ST            |  |  |