

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>1264.2</u>
Article name	IK 2,5 NPN/DC/LED(RD)/24V BG
GTIN (EAN)	4044211036072
Packaging unit	100
Quantity unit	PC
Weight per piece (not including packaging)	10.4 g
Weight per piece (including packaging)	11.25 g
Unit of weight	G
Customs number	85369010
Country of origin	BG
Product description	Three-level initiator terminal
Colour	Beige

Business data



Technical data

Length62.8 mmWidth5 mmHeight TS 35/7.556.3 mmHeight TS 3262.8 mmRatings7Rated voltage250 VRated voltage250 VRated voltage24 ARated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection 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, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section AWG, min.22Wire cross-section AWG, min.22Wire cross-section AWG, min.14Stripping length7 mmStripping length7 mmStrew headSlottedStorew threadingM2,4Tightening torque, min.0.4 NmTightening torque, max.0.8 Nm	Dimensions	
Height TS 35/7.558.3 mmHeight TS 3262.8 mmRatingsRated voltageRated voltage250 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection for contaminationConnection principleScrew connectionConnection sigle-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, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section AWG, min.22Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Length	62.8 mm
Height TS 32 62.8 mm Ratings Rated voltage Rated voltage 250 V Rated current 24 A Rated cross-section 2.5 mm² Rated impulse voltage 4 kV Overvoltage category III Contamination degree 3 Maximum power dissipation for nominal condition 2.3 W Connection data Connection principle Connection principle Screw connection Connection position Lateral Connections 4 Number of levels 3 Wire cross-section single-core (rigid) / stranded, min. 0.2 mm² Wire cross-section stranded, max. 4 mm² Wire cross-section stranded, max. 4 mm² Wire cross-section stranded with wire-end ferrules, min. 0.2 mm² Wire cross-section stranded with wire-end ferrules, min. 0.2 mm² 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	Width	5 mm
RatingsRated voltage250 VRated current24 ARated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleConnection 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 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.14Stripping length7 mmScrew headSlottedScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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 dataConnection principleConnection principleScrew connectionConnection positionLateralConnections4Number of levels3Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded min.2.5 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 stranded with wire-end ferrules, max.14Stripping length7 mmScrew headSlottedScrew headSlottedScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Height TS 32	62.8 mm
Rated current24 ARated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection dataConnection 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, min.0.2 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew headingM 2.4Tightening torque, min.0.4 Nm	Ratings	
Rated cross-section2.5 mm²Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection data2.3 WConnection principleScrew 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 with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2.4Tightening torque, min.0.4 Nm	Rated voltage	250 V
Rated impulse voltage4 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleConnection 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, 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, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Rated current	24 A
Overvoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleConnection positionLateralConnection 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 with wire-end ferrules, min.0.2 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Rated cross-section	2.5 mm ²
Contamination degree3Maximum power dissipation for nominal condition2.3 WConnection dataConnection 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.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, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2.4Tighening torque, min.0.4 Nm	Rated impulse voltage	4 kV
Maximum power dissipation for nominal condition2.3 WConnection dataConnection principleConnection 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, min.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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 Atranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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, 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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	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, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Wire cross-section single-core (rigid) / stranded, min.	0.2 mm ²
Wire 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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Wire cross-section single core (rigid)/stranded, max.	4 mm ²
Wire 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.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Wire cross-section stranded, min.	0.2 mm ²
min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Wire cross-section stranded, max.	4 mm ²
max.2.5 mm²Wire cross-section AWG, min.22Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm		0.2 mm ²
Wire cross-section AWG, max.14Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm		2.5 mm ²
Stripping length7 mmScrew headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Wire cross-section AWG, min.	22
Screw headSlottedScrew threadingM 2,4Tightening torque, min.0.4 Nm	Wire cross-section AWG, max.	14
Screw threadingM 2,4Tightening torque, min.0.4 Nm	Stripping length	7 mm
Tightening torque, min. 0.4 Nm	Screw head	Slotted
	Screw threading	M 2,4
Tightening torque, max. 0.8 Nm	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	\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

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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 ²
KEMA wire cross-section single-core (rigid), max.	4 mm ²
KEMA wire cross-section stranded, min.	0.2 mm ²
KEMA wire cross-section stranded, max.	4 mm ²
KEMA torque, min.	0.4 Nm
KEMA torque, max.	0.8 Nm



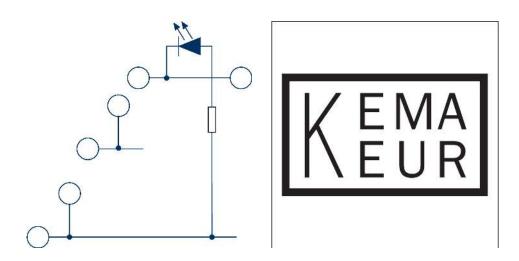
Approvals

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

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Media





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Accessories

End plate

End plate, Colour: Beige			
Article number	Article name	GTIN (EAN)	Packaging unit
2698.2	AP 2,5/I BG	4044211054373	20

Mounting screw

1(22)	Mounting screw	v, M 2.5, Colour: natural	Packagir	
	Article number	Article name	GTIN (EAN)	Packaging unit
	2326.0	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
2700.0	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
2151.0	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

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	2425.0	Q 10	4044211052072	10 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 ² , Colour: natural			
	Article number	Article name	GTIN (EAN)	Packaging unit
	2422.0	Q 2	4044211052041	50 ST
		or, No. of poles: 3, Mounting type: Car ection: 2.5 mm², Colour: natural	n be screwed on, Width	n: 14.2 mm,
	Article number	Article name	GTIN (EAN)	Packaging unit
	2423.0	Q 3	4044211052058	50 ST
		or, No. of poles: 4, Mounting type: Car ection: 2.5 mm², Colour: natural	n be screwed on, Width	i: 19.3 mm,
	Article number	Article name	GTIN (EAN)	Packaging 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 mm², Colour: natural

	Article number	Article name	GTIN (EAN)	Packaging unit
	2420.0	QS 10	4044211052027	10 ST
		on rail, No. of poles: 98, Mounting ty ss-section: 2.5 mm², Colour: natural	rpe: Can be screwed on, \	Width: 500
	Article number	Article name	GTIN (EAN)	Packaging unit
	2519.0	QS 0,5 m	4044211053215	1 ST
	Cross connecti	on rail, No. of poles: 4, Mounting typ	e: Can be screwed on W	lidth: 10.3
		ss-section: 2.5 mm ² , Colour: natural	e. Can be sciewed on, w	10111. 19.5
0000000000			GTIN (EAN)	Packaging 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 mm², Colour: natural

Article numberArticle nameGTIN (EAN)Packaging
unit2418.0QS 34044211052003100 ST

Cross-connection rail, No. of poles: 2, Mounting type: Can be screwed on, Width: 9.1 mm, Rated cross-section: 2.5 mm², Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
2417.0	QS 2	4044211051990	100 ST

Screwdriver

	Screwdriver with bare blade, Colour: Black-grey					
B Marcan	Article number	Article name	GTIN (EAN)	Packaging unit		
	1085.0	SDB 0,5x3,0	4044211014643	1 ST		

Connecting sleeve

Connecting sleeve, Colour: natural					
Article number	Article name	GTIN (EAN)	Packaging unit		
 2327.0	VH 5	4044211051129	100 ST		