

Feed-through terminal, Tension-spring connection, Mounting type: Plug in, Rated cross-section: 2.5 mm², Width: 20.4 mm, Colour: Beige

Business data	
Article number	<u>17484.2</u>
Article name	ZST 2,5/4/1A/Q BG
GTIN (EAN)	4044211205232
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	16.05 g
Weight per piece (including packaging)	16.99 g
Unit of weight	G
Customs number	85369010
Country of origin	DE
Product description	Feed-through terminal
Colour	Beige

Business data



Technical data

Length42 mmWidth20.4 mmHeight21 mmPitch5 mmRatingsRated voltage500 VRated voltage500 VRated current24 ARated inpulse voltage6 kVOvervoltage categoryIIIContamination degree3Contamination degree3Connection dataConnection principleConnection principleTension-spring connectionConnection single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single-core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.10 mm²Wire cross-section Attaneet ferrules, max.2.5 mm²Min10 mmMire attaneet ferrules, max.12Stripping length10 mmMaterials12Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min.40 °CWorking temperature, max.120 °C	Dimensions	
Height21 mmPitch5 mmRatingsRated voltage500 VRated current24 ARated current2.5 mm²Rated impulse voltage6 kVOvervoltage categoryIIIConnection dataConnection principleConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.2.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Length	42 mm
Pitch5 mmRatingsRated voltage500 VRated voltage500 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage6 kVOvervoltage categoryIIIContamination degree3Connection dataConnection principleConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Width	20.4 mm
RatingsRated voltage500 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage6 kVOvervoltage categoryIIIContamination degree3Connection dataConnection principleConnection principleTension-spring connectionConnection single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, min.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.12Stripping length10 mmMaterialsInsulation housing Polyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Height	21 mm
Rated voltage500 VRated current24 ARated cross-section2.5 mm²Rated impulse voltage6 kVOvervoltage categoryIIIContamination degree3Connection dataConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, min.0.5 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.12Stripping length10 mmMaterials10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0Vo0Working temperature, min40 °C	Pitch	5 mm
Rated current24 ARated cross-section2.5 mm²Rated impulse voltage6 kVOvervoltage categoryIIIContamination degree3Connection dataConnection principleConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section stranded with wire-end ferrules, max.12Stripping length10 mmMaterials10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94Vorking temperature, min40 °C	Ratings	
Rated cross-section2.5 mm²Rated impulse voltage6 kVOvervoltage categoryIIIContamination degree3Connection dataTension-spring connectionConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Rated voltage	500 V
Rated impulse voltage6 kVOvervoltage categoryIIIContamination degree3Connection dataTension-spring connectionConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 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.0.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0VoWorking temperature, min40 °C	Rated current	24 A
Overvoltage categoryIIIContamination degree3Connection dataTension-spring connectionConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section Atranded with wire-end ferrules, max.12Wire cross-section Atranded with wire-end ferrules, max.12Stripping length10 mmMaterials10 mmInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Rated cross-section	2.5 mm ²
Contamination degree3Connection dataTension-spring connectionConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 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.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Rated impulse voltage	6 kV
Connection dataConnection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 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.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Overvoltage category	III
Connection principleTension-spring connectionConnections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 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.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Contamination degree	3
Connections4No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 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 AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Connection data	
No. of poles4Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 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 AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Connection principle	Tension-spring connection
Wire cross-section single-core (rigid) / stranded, min.0.5 mm²Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Connections	4
Wire cross-section single core (rigid)/stranded, max.4 mm²Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	No. of poles	4
Wire cross-section stranded, min.0.5 mm²Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section single-core (rigid) / stranded, min.	0.5 mm ²
Wire cross-section stranded, max.4 mm²Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Wire cross-section single core (rigid)/stranded, max.	4 mm ²
Wire cross-section stranded with wire-end ferrules, min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0-40 °C	Wire cross-section stranded, min.	0.5 mm ²
min.0.5 mm²Wire cross-section stranded with wire-end ferrules, max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded, max.	4 mm ²
max.2.5 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.12Stripping length10 mmMaterialsPolyamide 6.6Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C		0.5 mm ²
Wire cross-section AWG, max.12Stripping length10 mmMaterialsPolyamide 6.6Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C		2.5 mm ²
Stripping length10 mmMaterialsPolyamide 6.6Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section AWG, min.	20
Materials Insulation housing Polyamide 6.6 Flammability class UL 94 V-0 Working temperature, min. -40 °C	Wire cross-section AWG, max.	12
Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Stripping length	10 mm
Flammability class UL 94 V-0 Working temperature, min. -40 °C	Materials	
Working temperature, min40 °C	Insulation housing	Polyamide 6.6
	Flammability class UL 94	V-0
Working temperature, max. 120 °C	Working temperature, min.	-40 °C
	Working temperature, max.	120 °C



Technical data	
Further technical data	
Mounting type	Plug in
Gauge plug acc. to EN 60 947-1	A3
Number of cross-connection channels	1
Number of test pick-off options	4
Environmental Product Compliance	
REACH Conform	yes
REACH Reference date	2023-06-14
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	300 V
CSA Usegroup C: rated current	20 A
CSA wire cross-section AWG, min.	20
CSA wire cross-section AWG, max.	12
CSA stripping length	10 mm
CSAus approval	
CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	300 V
CSAus Usegroup C: rated current	20 A
CSAus wire cross-section AWG, min.	20
CSAus wire cross-section AWG, max.	12
CSAus stripping length	10 mm
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 Usegroup D: rated voltage	300 V
cUL Usegroup D: rated current	20 A
cUL wire cross-section single-core (rigid) AWG, min.	20
cUL wire cross-section single-core (rigid) AWG, max.	12
cUL wire cross-section stranded AWG, min.	20
cUL wire cross-section stranded AWG, max.	12
cUL wire material	Cu
cUL Recognized	1

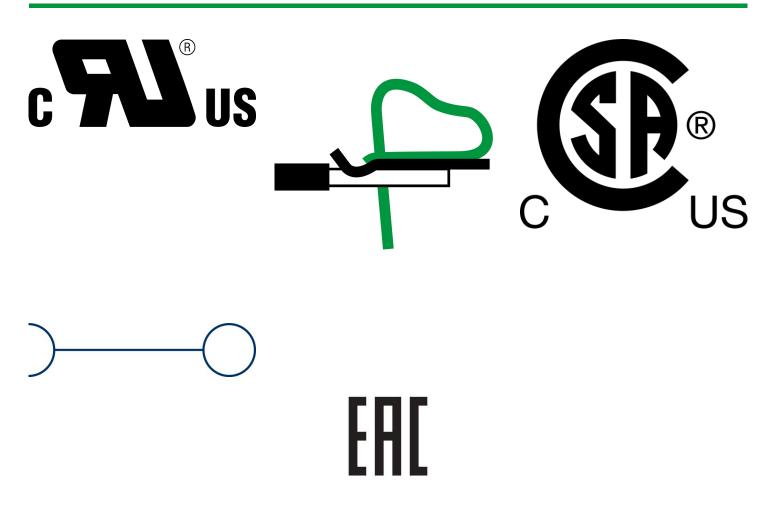


Approvals

KEMA KEUR approval	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	500 V
KEMA rated current	24 A
KEMA rated impulse voltage	6 kV
KEMA wire cross-section single core (rigid), min.	0.5 mm²
KEMA wire cross-section single-core (rigid), max.	4 mm ²
KEMA wire cross-section stranded, min.	0.5 mm²
KEMA wire cross-section stranded, max.	4 mm ²
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 Usegroup D: rated voltage	300 V
UL Usegroup D: rated current	20 A
UL wire cross-section single-core (rigid) AWG, min.	20
UL wire cross-section single-core (rigid) AWG, max.	12
UL wire cross-section stranded AWG, min.	20
UL wire cross-section stranded AWG, max.	12
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1



Media





Accessories

Actuating tool

Another (2)	Actuating tool, No. of poles: 1, Colour: Black			
	Article number	Article name	GTIN (EAN)	Packaging unit
	3808.0	BWMA 1 (0,5 x 3,5 mm)	4044211078850	1 ST

Insulated cross-connector

	Insulated cross-connector, No. of poles: 7, Mounting type: Plug in, Width: 34.6 mm, Rated cross-section: 2.5 mm², Colour: Yellow			
	Article number	Article name	GTIN (EAN)	Packaging unit
	3715.8	ZQI 2,5/7 YE	4044211060336	20
		s-connector, No. of poles: 2, Mounting ty 2.5 mm², Colour: Yellow	pe: Plug in, Width: 9.1	mm, Rated
7 7	Article number	Article name	GTIN (EAN)	Packaging unit
U U	3710.8	ZQI 2,5/2 YE	4044211060282	50
		c-connector, No. of poles: 10, Mounting tection: 2.5 mm², Colour: Yellow	type: Plug in, Width: 49	9.9 mm,
	Article number	Article name	GTIN (EAN)	Packaging unit
	3718.8	ZQI 2,5/10 YE	4044211060367	10
		s-connector, No. of poles: 3, Mounting ty ection: 2.5 mm², Colour: Yellow	pe: Plug in, Width: 14.	2 mm,
3 3 3	Article number	Article name	GTIN (EAN)	Packaging unit
	3711.8	ZQI 2,5/3 YE	4044211060299	50



Insulated cross-connector

	Insulated cross-connector, No. of poles: 5, Mounting type: Plug in, Width: 24.4 mm,Rated cross-section: 2.5 mm ² , Colour: Yellow			
77777	Article number	Article name	GTIN (EAN)	Packaging unit
	3713.8	ZQI 2,5/5 YE	4044211060312	20
		s-connector, No. of poles: 8, Mou ection: 2.5 mm², Colour: Yellow	inting type: Plug in, Width:	39.7 mm,
	Article number	Article name	GTIN (EAN)	Packaging unit
	3716.8	ZQI 2,5/8 YE	4044211060343	10
		s-connector, No. of poles: 9, Mou ection: 2.5 mm², Colour: Yellow	Inting type: Plug in, Width:	44.8 mm,
<u> </u>	Article number	Article nome		Packaging
		Article name	GTIN (EAN)	unit
	3717.8	ZQI 2,5/9 YE	GTIN (EAN) 4044211060350	
	3717.8 Insulated cross		4044211060350	unit 10
	3717.8 Insulated cross	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou	4044211060350	unit 10
	3717.8 Insulated cross Rated cross-se	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou ection: 2.5 mm², Colour: Yellow	4044211060350	unit 10 19.3 mm, Packaging
	3717.8 Insulated cross Rated cross-se Article number 3712.8 Insulated cross	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou ection: 2.5 mm ² , Colour: Yellow Article name	4044211060350 Inting type: Plug in, Width: GTIN (EAN) 4044211060305	unit 10 19.3 mm, Packaging unit 20
	3717.8 Insulated cross Rated cross-se Article number 3712.8 Insulated cross	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou ection: 2.5 mm², Colour: Yellow Article name ZQI 2,5/4 YE s-connector, No. of poles: 6, Mou	4044211060350 Inting type: Plug in, Width: GTIN (EAN) 4044211060305	unit 10 19.3 mm, Packaging unit 20
	3717.8 Insulated cross Rated cross-se Article number 3712.8 Insulated cross Rated cross-se	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou ection: 2.5 mm ² , Colour: Yellow Article name ZQI 2,5/4 YE s-connector, No. of poles: 6, Mou ection: 2.5 mm ² , Colour: Yellow	4044211060350 Inting type: Plug in, Width: GTIN (EAN) 4044211060305	unit 10 19.3 mm, Packaging unit 20 29.5 mm, Packaging
	3717.8 Insulated cross Rated cross-set Article number 3712.8 Insulated cross Rated cross-set Article number 3712.8 Insulated cross Rated cross-set Article number 3714.8 Insulated cross	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou ection: 2.5 mm ² , Colour: Yellow Article name ZQI 2,5/4 YE s-connector, No. of poles: 6, Mou ection: 2.5 mm ² , Colour: Yellow Article name	4044211060350 Inting type: Plug in, Width: GTIN (EAN) 4044211060305 Inting type: Plug in, Width: GTIN (EAN) 4044211060329	unit 10 19.3 mm, Packaging unit 20 29.5 mm, Packaging unit 20
	3717.8 Insulated cross Rated cross-se Article number 3712.8 Insulated cross Rated cross-se Article number 3712.8 Insulated cross Rated cross-se Article number 3714.8 Insulated cross	ZQI 2,5/9 YE s-connector, No. of poles: 4, Mou ection: 2.5 mm², Colour: Yellow Article name ZQI 2,5/4 YE s-connector, No. of poles: 6, Mou ection: 2.5 mm², Colour: Yellow Article name ZQI 2,5/6 YE s-connector, No. of poles: 99, Mo	4044211060350 Inting type: Plug in, Width: GTIN (EAN) 4044211060305 Inting type: Plug in, Width: GTIN (EAN) 4044211060329	unit 10 19.3 mm, Packaging unit 20 29.5 mm, Packaging unit 20



Quick marking

Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 5 mm, Colour: White			
Article number	Article name	GTIN (EAN)	Packaging unit
4600.7	PMC SB 5/50 WH	4044211088903	500 ST

ZST-strain relief

	Strain relief, Colour: Orange			
57 Mail	Article number	Article name	GTIN (EAN)	Packaging unit
	3688.3	ZST-Z OG	4044211177928	50 ST