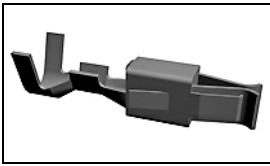


## 929930-3 Product Details

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**929930-3**

TE Internal Number: 929930-3  
✔ Active

[View 3D PDF](#)

### Timer Contacts

✔ Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Timer Products Product Line
- Junior-Power-Timer (JPT) Series
- Wire-to-Wire
- Applies To Wire/Cable
- Contact

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#) [Request Sample](#) [Find Similar Products](#) [Buy Product](#)

### Documentation & Additional Information

#### Product Drawings:

- [PRODUCT GROUP DRAWING FOR: JUNIOR POWER TIMER CONTACT \(TIF, German\)](#)

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files: [\(CAD Format & Compression Information\)](#)

- [2D Drawing \(DXF, Version A9\)](#)
- [3D Model \(IGES, Version A9\)](#)
- [3D Model \(STEP, Version A9\)](#)

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Line Drawing](#)

#### Related Products:

- [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- Product Line = Timer Products
- Series = Junior-Power-Timer (JPT)
- **Product Type** = Contact
- Cable Type = FLK (Vehicle Cable Plastic), FLR (Thin Walled Cable)
- Termination Method to Wire/Cable = Crimp
- Wire/Cable Type = Discrete Wire
- Insulation Support = With

#### Electrical Characteristics:

- Contact - Rated Current (A) = 30

#### Termination Features:

- Wire/Cable Size (AWG) = 17 - 20
- Wire/Cable Size (mm<sup>2</sup>) = 0.5 - 1

#### Dimensions:

- Mating Area Interface Dimensions (mm [in]) = 2.79 x 0.79 [1.110 x .031]

#### Body Features:

- Single Wire Sealing System = Yes

#### Contact Features:

- Contact Type = Socket
- Contact Design = Flat, Steel Cantilever Spring
- Contact Base Material = CuSn4
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Plating, Mating Area, Thickness (µm [µin]) = 1 [39.37]

#### Configuration Features:

- GET 0.64 Connector System = No

#### Industry Standards:

- **RoHS/ELV Compliance** = RoHS compliant, ELV compliant
- **Lead Free Solder Processes** = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = DIN ISO 6722 part 1-3 (Old DIN 72551 Part 2), DIN 72 551 Part 5 and 6

#### Environmental:

- Operating Temperature (°C [°F]) = -40 - +130 [-40 - +266]

#### Conditions for Usage:

- Applies To = Wire/Cable
- Accepts Wire Insulation Diameter, Range (mm [in]) = 1.40 - 2.10 [0.055 - 0.083], 2.00 - 2.70 [0.079 - 0.106], 3.40 [0.134]

#### Operation/Application:

- Application Use = Wire-to-Wire
- Contact Transmits (Typical Application) = Power

#### Packaging Features:

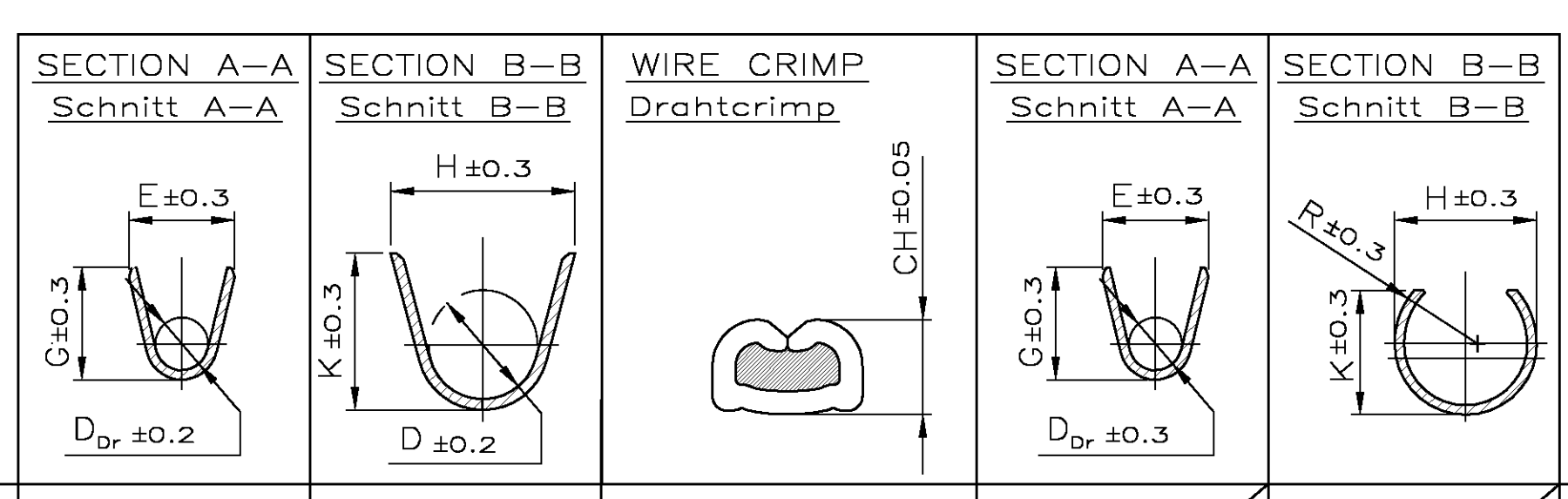
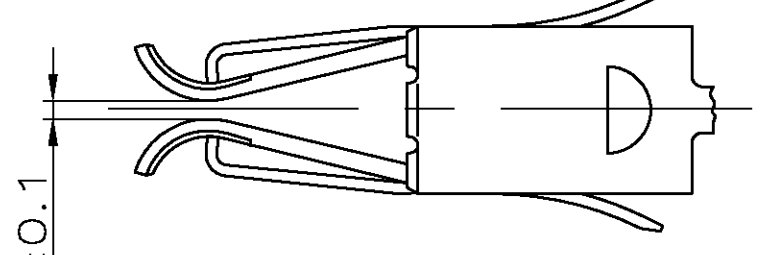
- Packaging Method = Loose Piece
- Packaging Quantity = 1,000

#### Other:

- Brand = AMP
- Comment = Wire insulation diameter of 3.4 mm maximum would include wire seal.; Insulation barrel pre-crimped.; One wire seal required per contact.; Refer to the application and product specification for additional information.

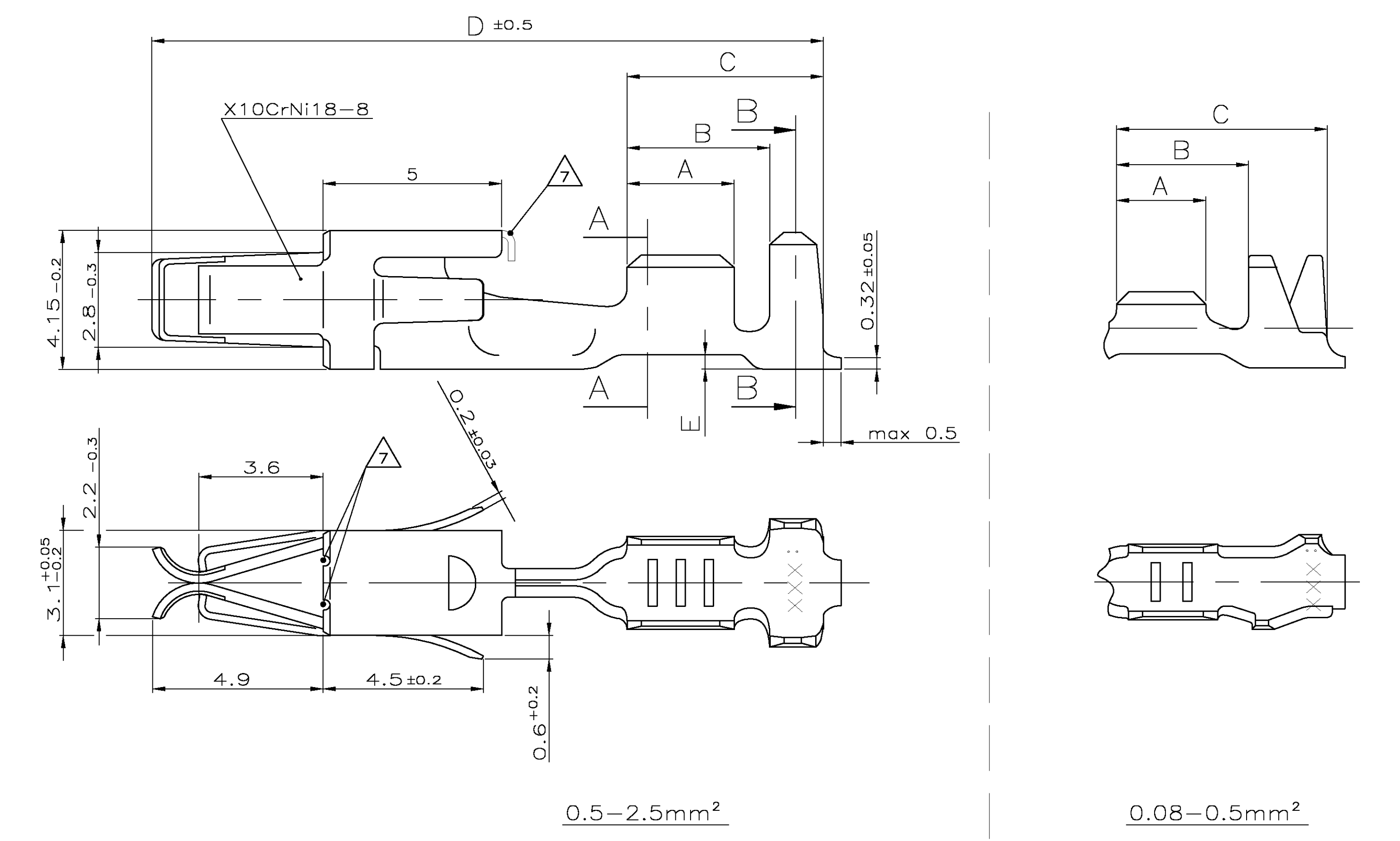
**REMARKS**  
Bemerkungen

- 1 CONTACT BODY PRE-SILVER PLATED MIN. 0.8μm CONTACT ZONE SELECTIVE PRE-SILVER PLATED MIN. 3μm  
Kontaktkoerper vorversilbert min. 0,8μm Kontaktzone selektiv vorversilbert min. 3μm
- 2 CONTACT ZONE GOLD PLATED MIN. 0.8μm OVER MIN. 1.3μm Ni-LAYER CRIMP AREA MIN. 1μm TIN PLATED OVER Ni-LAYER  
Kontaktzone vergoldet min. 0,8μm ueber min. 1,3μm Ni-Zwischenschicht Crimpbereich min. 1μm verzinkt ueber Ni-Zwischenschicht
- 3 CANTILEVER SPRING INSIDE AND OUTSIDE 0.4-1.2μm Au  
Ueberfeder innen und aussen 0,4-1,2μm Au
- 4 CONTACT BODY, CONTACT SPRING INSIDE AND CRIMP AREA MIN. 1μm TIN PLATED OVER Ni-LAYER, TOUCHING AREA TO CANTILEVER SPRING AND CONTACT SPRING OUTSIDE SELECTIVE 0.8μm Au OVER MIN. 1.3μm Ni-LAYER  
Kontaktkoerper, Kontaktfeder innen und Crimpbereich min. 1μm verzinkt ueber Ni-Zwischenschicht, Anlageflaeche zur Ueberfeder und Kontaktfeder aussen selektiv 0,8μm vergoldet ueber min. 1μm Ni-Zwischenschicht
- 5 CONTACT ZONE AND TOUCHING AREA TO CANTILEVER SPRING MIN. 0.8μm SELECTIVE Au PLATED OVER 1.3μm Ni PLATED, CRIMP AREA MIN. 1μm TIN PLATED OVER Ni-LAYER  
Kontaktzone und Anlageflaeche zur Ueberfeder min. 0,8μm vergoldet ueber min. 1,3μm Ni-Zwischenschicht Crimpbereich min. 1μm verzinkt ueber Ni-Zwischenschicht
- 6 CONTACT BODY AND CRIMP AREA MIN. 1μm TIN PLATED OVER Ni-LAYER, TOUCHING AREA TO CANTILEVER SPRING SELECTIVE 0.8μm Au OVER MIN. 1.3μm Ni-LAYER  
Kontaktkoerper und Crimpbereich min. 1μm verzinkt ueber Ni-Zwischenschicht Anlageflaeche zur Ueberfeder selektiv 0,8μm vergoldet ueber min. 1,3μm Ni-Zwischenschicht
- 7 CONTACT OFF OPTIONAL  
Abschnitt\Freisschnitt optional
- 8 CONTACT RE-TREATED WITH LUBRICANT BARRIERTA DISPERSION  
Kontakt mit Gleitmittel Barrierta Dispersion behandelt
- 9 VARIANTS WITH GAP-SIZE 0.3±0.1mm  
Varianten mit Gap-Size 0.3±0.1mm



- 10 CONTACTS DIPPED IN OR SPRAYED WITH LUBRICANT  
Kontakte getaucht oder besprueht mit Lubricant

DESIGN 1  
Form 1

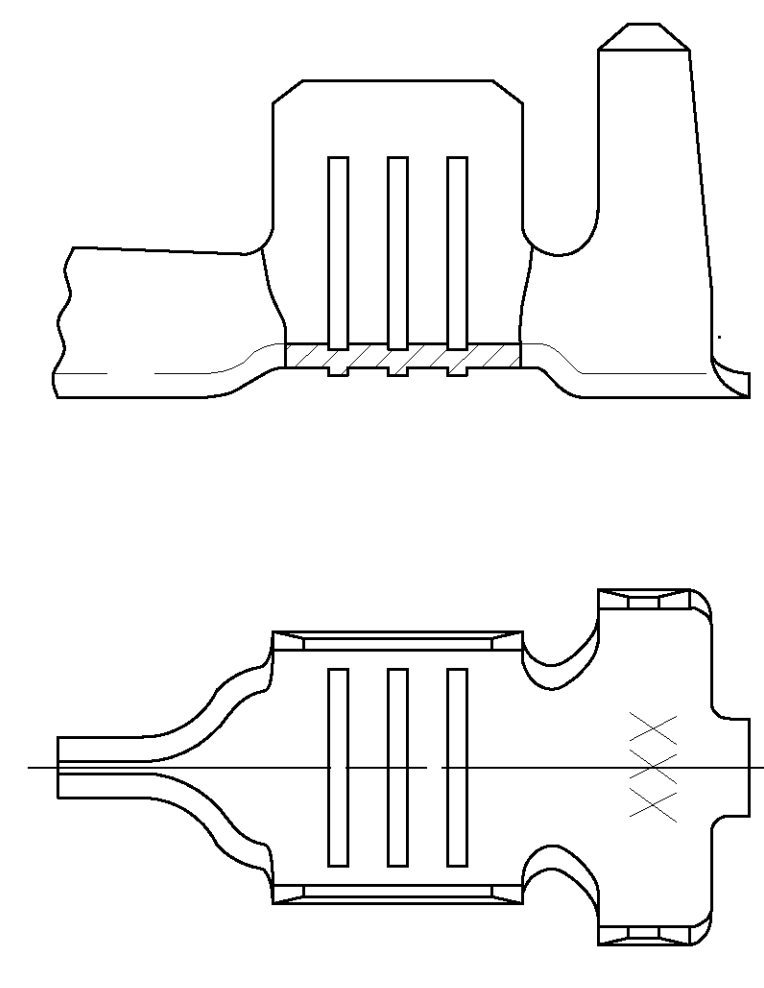


0.5-2.5mm<sup>2</sup>

0.08-0.5mm<sup>2</sup>

UNSEALD  
ungedichtet

DESIGN 2  
Form 2



ORDER-NO.	REV	ORDER-NO.	MATERIAL	SURFACE	DGB	WIRE CRIMP	LOOSE PIECE	APPLICATION TOOL	HAND TOOL	A	B	C	D	E	DESIGN Form				
928810-6	A	-	CuSn4	1				MQC-Applicator 878181-2	539635-1 mit Matrize: 539674-2	3.0	4.0	5.5	18.8	0.4	9	2			
928810-3	A	928810-4	CuSn4	vorverzinkt min 1μm 2	0.5-1.0	E = 2.6 G = 2.8 Dcr = 1.1	H = 3.6 K = 3.9 D = 1.8	0.5mm <sup>2</sup> = 1.18 0.75mm <sup>2</sup> = 1.27 1.0mm <sup>2</sup> = 1.36											
928810-1	A	928810-2	CuSn4	vorverzinkt min 1μm 2	FLR														
963884-2	A	963885-2	CuSn4	vorverzinkt min 1μm 2	>1.0-2.5	E = 3.6 G = 3.8 Dcr = 1.8	H = 4.7 K = 4.9 D = 2.6	1.25mm <sup>2</sup> = 1.44 1.5mm <sup>2</sup> = 1.51 2.0mm <sup>2</sup> = 1.64 2.5mm <sup>2</sup> = 1.77	E = 2.8 G = 3.9 Dcr = 1.7	H = 3.8 R = 2.3 K = 4.3	MQC-Applicator 878180-2	539635-1 mit Matrize: 539674-2	3.3	4.3	5.8	18.8	0.4	9	2
963884-1	A	963885-1	CuSn4	vorverzinkt min 1μm 2	FLR														
2-927773-1	P	2-927781-1	CuSn4	2	>1.0-2.5	E = 3.6 G = 3.8 Dcr = 1.8	H = 5.5 K = 5.8 D = 3.6	1.25mm <sup>2</sup> = 1.44 1.5mm <sup>2</sup> = 1.51 2.0mm <sup>2</sup> = 1.64 2.5mm <sup>2</sup> = 1.77	E = 2.8 G = 3.9 Dcr = 1.7	H = 4.2 K = 5.2 r = 2.4	MQC-Applicator 878190-2	539635-1 mit Matrize: 539674-2	3.3	4.3	5.8	18.8	0.4		2
1-927773-1	P	1-927781-1	CuFe2	1	FLK														
927773-6	N	927781-6	CuSn4	1	FLK														
927773-3	N	927781-3	CuSn4	vorverzinkt min 1μm 2															
927773-1	N	927781-1	CuFe2	1															
2-927768-1	R	2-927777-1	CuSn4	2	>1.0-2.5	E = 3.6 G = 3.8 Dcr = 1.8	H = 4.7 K = 4.9 D = 2.6	1.25mm <sup>2</sup> = 1.44 1.5mm <sup>2</sup> = 1.51 2.0mm <sup>2</sup> = 1.64 2.5mm <sup>2</sup> = 1.77	E = 2.8 G = 3.9 Dcr = 1.7	H = 3.8 K = 4.3 R = 2.3	MQC-Applicator 878180-2	539635-1 mit Matrize: 539674-2	3.3	4.3	5.8	18.8	0.4		2
1-927768-1	R	1-927777-1	CuFe2	2	FLR														
927768-9	P	927777-9	CuSn4	3															
927768-6	P	927777-6	CuSn4	1															
927768-3	P	927777-3	CuSn4	vorverzinkt min 1μm 2															
927768-1	P	927777-1	CuFe2	1															
1719810-1	A	1719811-1	CuSn4	10															
2-927771-2	N	2-927779-2	CuSn4	3	0.5-1.0	E = 2.6 G = 2.8 Dcr = 1.1	H = 3.6 K = 3.9 D = 1.8	0.5mm <sup>2</sup> = 1.18 0.75mm <sup>2</sup> = 1.27 1.0mm <sup>2</sup> = 1.36	E = 2.2 G = 2.8 Dcr = 1.2	H = 2.8 K = 3.4 R = 1.6	MQC-Applicator 878181-2	539635-1 mit Matrize: 539674-2	3	4	5.5	18.8	0.4		2
2-927771-1	N	2-927779-1	CuFe2	2	FLR														
1-927771-1	N	1-927779-1	CuSn4	3															
927771-9	M	927779-9	CuSn4	4															
927771-8	N	927779-8	CuSn4	5															
927771-6	M	927779-6	CuSn4	1															
927771-3	M	927779-3	CuSn4	vorverzinkt min 1μm 2															
927771-1	M	927779-1	CuFe2	1															
2-927774-1	C	2-927776-1	CuSn4	2	0.2-0.5	E = 2.1 G = 2.1 Dcr = 0.8	H = 2.7 K = 2.8 D = 1.4	0.2mm <sup>2</sup> = 0.98 0.25mm <sup>2</sup> = 1.00 0.35mm <sup>2</sup> = 1.05 0.5mm <sup>2</sup> = 1.12	E = 1.7 G = 2.1 Dcr = 0.8	H = 2.2 K = 2.4 R = 1.3	MQC-Applicator 878332-2	539635-1 mit Matrize: 539737-2	2.5	3.5	5.6	18.8	0.4		1
1-927774-1	C	1-927776-1	CuFe2	3	FLR														
927774-8	C	927776-8	CuSn4	5															
927774-6	B	927776-6	CuSn4	1															
927774-3	B	927776-3	CuSn4	vorverzinkt min 1μm 2															
927774-1	B	927776-1	CuFe2	1															
2-963708-1	C	2-963777-1	CuSn4	2	0.08-0.2	E = 1.7 G = 1.7 Dcr = 0.6	H = 3.1 K = 3.2 D = 1.6	0.08mm <sup>2</sup> = 0.79 0.14mm <sup>2</sup> = 0.83 0.22mm <sup>2</sup> = 0.87	E = 1.5 G = 1.8 Dcr = 0.6		MQC-Applicator 878599-2	734414-1	2.5	3.7	5.9	18.8	0.4		1
1-963708-1	C	1-963777-1	CuFe2	1	Sonderleitung Isoφ 1.8-0.3														
963708-6	B	963777-6	CuSn4	1															
963708-3	B	963777-3	CuSn4	vorverzinkt min 1μm 2															
963708-1	B	963777-1	CuFe2	1															

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THIS DRAWING IS A CONTROLLED DOCUMENT SEHE ZIEHNUNG IST EIN KONTROLLIERTES DOKUMENT	DATE: 09-JUN-99 J. Hög	<b>STE</b> TE Connectivity
DRAWING: 108-18013 APP: 114-18050	DATE: 09-JUN-99	PRODUCT GROUP DRAWING FOR: JUNIOR POWER TIMER CONTACT Produkt-Gruppen-Zeichnung fuer: JPT Kontakt
REVISIONS REV. DATE DESCRIPTION A11 REVISED PER ECO-11-005150 21MAR11 Rk HMR A12 Design 2 added. 28SEP12 Kirs Eder	SCALE: 10:1 SHEET: 1 OF 2	CUSTOMER DRAWING / KUNDENZIEHNUNG