

Receptacle Contacts

Technical Features

Material:

Contact: CuNiSi
Tabs: CuSn4, CuFe2
Top Spring: Stainless Steel

Contact Finish:

Tin plated, selective silver plated,
selective gold plated

Wire Size Range:

0.2–0.5 mm², 0.5–1.0 mm²,
1.0–2.5 mm², 2.5–4.0 mm²
Single Wires (FLR)

Current Carrying Capacity:

up to 40 Ampere
(at 20 °C ambient temperature)

Mating Force*:

Max. 6 N

Unmating Force*:

Max. 5 N

Modular Dimensions (Centerline)

0.35–2.5 mm² SRC:

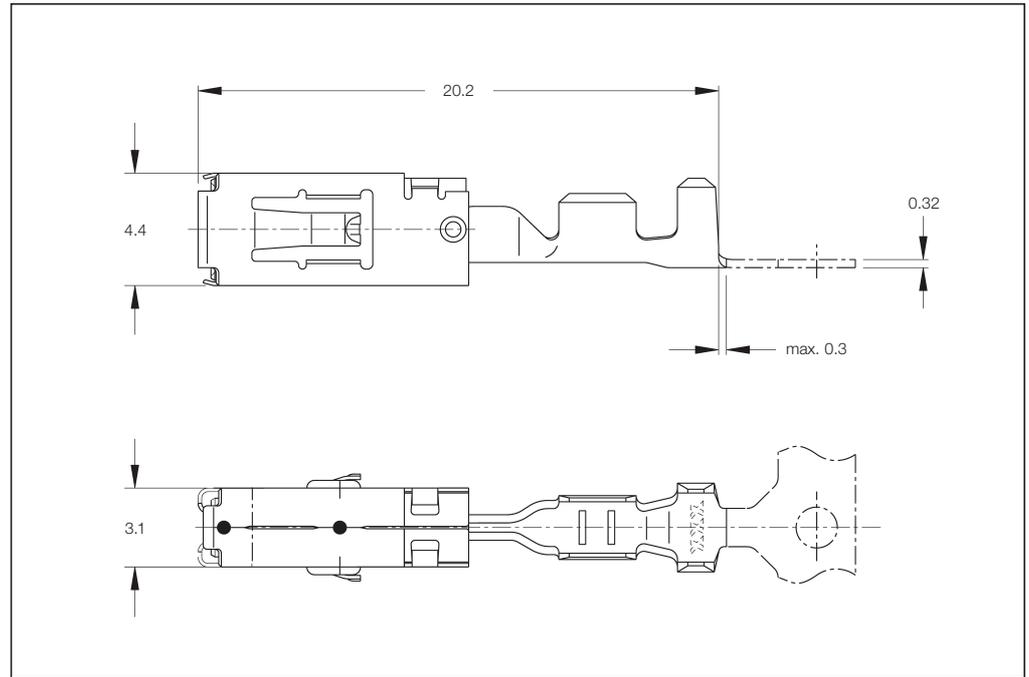
– 5.0 x 5.5 mm
– 5.0 x 5.0 mm (Staggered)

2.5–4.0 mm² SRC:

– 5.5 x 5.5 mm
– 5.0 x 5.5 mm (Staggered)

2.5–4.0 mm² SWS:

– 7.2 x 7.2 mm
– 6.0 x 7.2 mm (Staggered)



Mating Cycles:•

up to 20 cycles (tin plated)
up to 50 cycles (silver plated)
up to 100 cycles (gold plated)

Dimension of Male Contacts:

2.8^{±0.1} x 0.8^{±0.03} mm
3.0^{±0.1} x 0.8^{±0.03} mm

Temperature Range:

–40 °C ... +130 °C (tin plated)
–40 °C ... +140 °C (silver plated)
–40 °C ... +150 °C (gold plated)

Contact Resistance:

New State ≤ 2 mΩ

Extraction Tool:

Part No. **1-1579007-2**

Product Specification:

108-18513

Application Specification:

114-18148

Product Group Drawing:

1355036

*) Steel Tab, see Specifications

•) Mating Cycles are depending on various technical influences and must be clarified in each individual case.

Standard Receptacle Contacts (SRC)

Wire Size Range (mm ²)	Insulation Diameter (mm)		Material and Finish*	Part Numbers					
	FLK	FLR		Strip Form	Package Quantity	Loose-Piece	Package Quantity	Applicator*	Hand Tool Complete
0.2–0.5	–	1.2–1.4	1-xxx-1 / 1-xxx-3	968880	4,500	968895	500	x-541562-x	539721-2
0.5–1.0	–	1.4–2.1	1-xxx-1 / 1-xxx-2 / 1-xxx-3	968849	4,500	968872	500	x-541535-x	539722-2
1.0–2.5	–	2.2–3.0	1-xxx-1 / 1-xxx-2 / 1-xxx-3	968851	3,500	968873	500	x-541536-x	539723-2
2.5–4.0	–	3.0–3.7	1-xxx-1 / 1-xxx-3	968853	2,700	968874	500	x-541534-x	

Receptacle Contacts Single Wire Sealing System (SWS)

Wire Size Range (mm ²)	Insulation Diameter (mm)		Material and Finish*	Part Numbers					
	FLK	FLR		Strip Form	Package Quantity	Loose-Piece	Package Quantity	Applicator*	Hand Tool Complete
0.35	–	1.2–1.4	1-xxx-1 / 1-xxx-3	968882	4,500	968896	500	x-541563-x	539725-2
0.5–1.0	–	1.4–2.1	1-xxx-1 / 1-xxx-2 / 1-xxx-3	968855	3,500	968875	500	x-878973-x	539726-2
1.0–2.5	–	2.2–3.0	1-xxx-1 / 1-xxx-3	968857	4,000	968876	500	x-878974-x	539727-2
2.5–4.0	–	3.0–3.7	1-xxx-1 / 1-xxx-3	968859	2,500	968877	500	x-541537-x	

* **Material and Finish:**
1-xxx-1 = CuNiSi, pre-tin plated
1-xxx-2 = CuNiSi, selective gold plated
1-xxx-3 = CuNiSi, selective silver plated

Lanceless Receptacle Contacts

Technical Features

Material:

Contact: CuNiSi
Tab: CuSn4, CuFe2
Top Spring: Stainless Steel

Contact Finish:

Tin plated

Wire Size Range:

0.2–0.5 mm², >0.5–1.0 mm²,
>1.0–2.5 mm², >2.5–4.0 mm²
Single Wires (FLR)

Current Carrying Capacity:

up to 40 Ampere
(at 20 °C ambient temperature)

Temperature Range:

–40 °C ... +130 °C (tin plated)
–40 °C ... +140 °C (silver plated)
–40 °C ... +150 °C (gold plated)

**Modular Dimensions
(Centerline):**

0.35–2.5 mm² SRC:
– 5.0 x 5.5 mm
– 5.0 x 5.0 mm (Staggered)
2.5–4.0 mm² SRC:
– 5.5 x 5.5 mm
– 5.0 x 5.5 mm (Staggered)

Mating Force*:

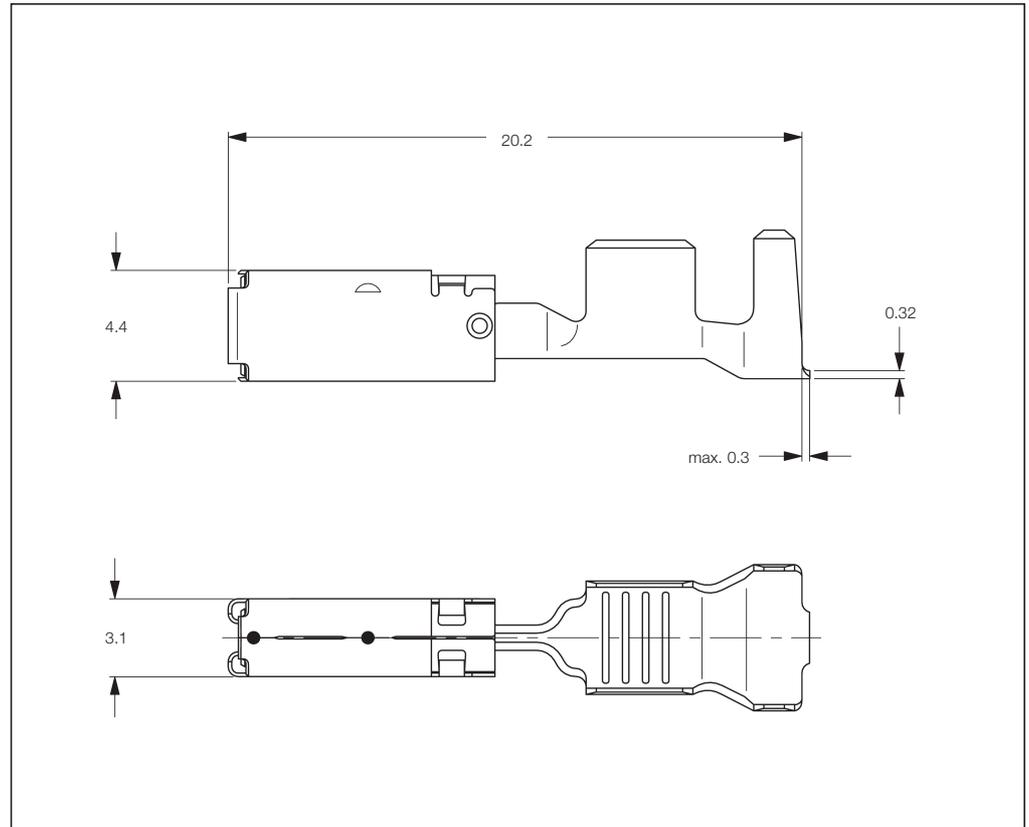
Max. 6 N

Unmating Force*:

Max. 5 N

*) Steel Tab, see Specifications

●) Mating Cycles are depending on various technical influences and must be clarified in each individual case.



Contact Resistance:

New State ≤ 2 mΩ

Mating Cycles:●

up to 20 cycles (tin plated)
up to 50 cycles (silver plated)
up to 100 cycles (gold plated)

Dimension of Male Contacts:

2.8 ±0.1 x 0.8 ±0.03 mm
3.0 ±0.1 x 0.8 ±0.03 mm

Extraction Tool:

Extraction possible without tool

Product Specification:

108-18513

Application Specification:

114-18148

Product Group Drawing:

1719458

Lanceless Receptacle Contacts

Wire Size Range (mm ²)	Insulation Diameter (mm)		Material and Finish*	Part Numbers					
	FLK	FLR		Strip Form	Package Quantity	Loose-Piece	Package Quantity	Applicator*	Hand Tool Complete
0.2–0.5	–	1.2–1.4	1-xxx-1	1355876	4,500	–	–	x-541562-x	539721-2
>0.5–1.0	–	1.4–2.1	1-xxx-1	1355833	4,500	–	–	x-541535-x	539722-2
>1.0–2.5	–	2.2–3.0	1-xxx-1	1355877	3,500	–	–	x-541536-x	539723-2
>2.5–4.0	–	3.0–3.7	1-xxx-1	1355880	2,700	–	–	x-541534-x	

***) Material and Finish:**

1-xxx-1 = CuNiSi, pre-tin plated

◆) The pre- and suffix for the applicators depends on the applied termination equipment.