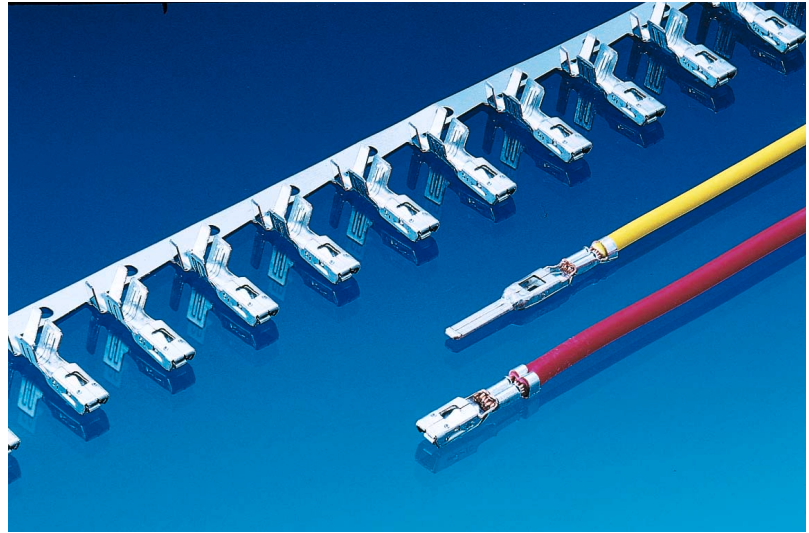


2.8 mm female and male terminals

Features

- APEX technology
- High current carrying capacity
- 5 mm pitch
- Low contact mating force
- Design compatible with a large range of connector sealing technologies (single wire sealing, mat-seal)
- Grease option available
- Suitable for secondary lock
- Selective gold-plated versions available



Performance characteristics

- | | | | |
|---------------------------|--------|-----------------------------|------|
| • Contact resistance: | < 2 mΩ | • Current carrying capacity | |
| • Contact mating force: | < 5 N | at 23°C up to approx.: | 40 A |
| • Contact unmating force: | < 2 N | at 85°C up to approx.: | 30 A |
| | | at 100°C up to approx.: | 18 A |
| | | at 125°C up to approx.: | 10 A |

Tooling

- | | |
|-------------------------|------------|
| • Manual crimping tool: | Consult us |
| • Mini applicator: | Consult us |

Part Numbers	Type	Wire size range (in AWG)		Insulation Ø (in mm) Max.	Grease	Material	Plating
		Min.	Max.				
54002200	Female	22	22	1.75	No	CuTeSn/CuBe	Sn
54001800	Female	20	18	2.13	No	CuTeSn/CuBe	Sn
54001300	Female	20+20	18+18	-	No	CuTeSn/CuBe	Sn
54001400	Female	16	14	2.77	No	CuTeSn/CuBe	Sn
54001000	Female	12	10	4.09	No	CuTeSn/CuBe	Sn
54002202	Female	22	22	1.75	Yes	CuTeSn/CuBe	Sn
54001802	Female	20	18	2.13	Yes	CuTeSn/CuBe	Sn
54001302	Female	20+20	18+18	-	Yes	CuTeSn/CuBe	Sn
54001402	Female	16	14	2.77	Yes	CuTeSn/CuBe	Sn
54001002	Female	12	10	4.09	Yes	CuTeSn/CuBe	Sn
54002203	Female	22	22	1.75	No	CuTeSn/CuBe	Au
54001803	Female	20	18	2.13	No	CuTeSn/CuBe	Au
54001303	Female	20+20	18+18	-	No	CuTeSn/CuBe	Au
54001403	Female	16	14	2.77	No	CuTeSn/CuBe	Au
54001003	Female	12	10	4.09	No	CuTeSn/CuBe	Au
54001208	Female	12	12	3.35	No	CuTeSn/CuBe	Sn
54001209	Female	12	12	3.35	Yes	CuTeSn/CuBe	Sn
54001210	Female	12	12	3.35	No	CuTeSn/CuBe	Au

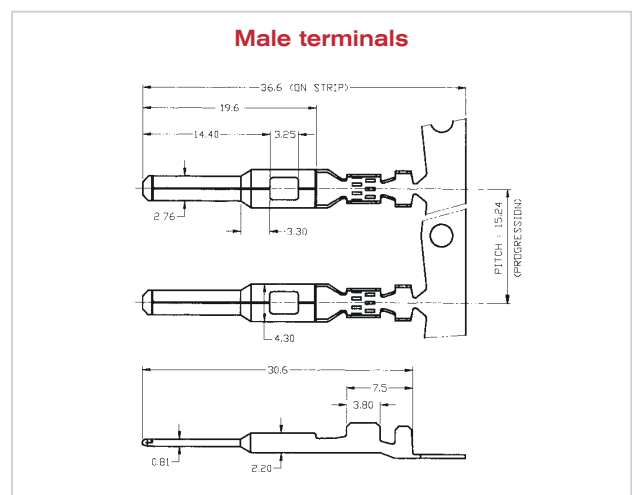
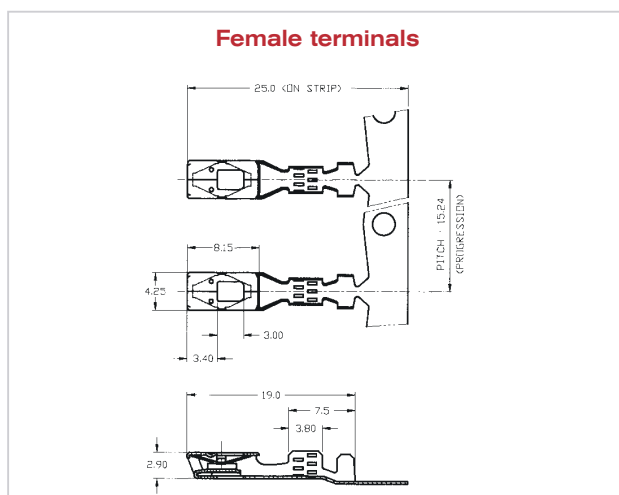
SWS: Single Wire Seal

2.8 mm female and male terminals

Part Numbers	Type	Wire size range (in AWG)		Insulation Ø (in mm) Max.	Grease	Material	Plating
		Min.	Max.				
54002208 (SWS)	Female	22	22	1.75	No	CuTeSn/CuBe	Sn
54001807 (SWS)	Female	20	18	2.13	No	CuTeSn/CuBe	Sn
54001404 (SWS)	Female	16	14	2.77	No	CuTeSn/CuBe	Sn
54001202 (SWS)	Female	12	12	3.35	No	CuTeSn/CuBe	Sn
54001008 (SWS)	Female	12	10	4.09	No	CuTeSn/CuBe	Sn
54002209 (SWS)	Female	22	22	1.75	Yes	CuTeSn/CuBe	Sn
54001810 (SWS)	Female	20	18	2.13	Yes	CuTeSn/CuBe	Sn
54001409 (SWS)	Female	16	14	2.77	Yes	CuTeSn/CuBe	Sn
54001205 (SWS)	Female	12	12	3.35	Yes	CuTeSn/CuBe	Sn
54001009 (SWS)	Female	12	10	4.09	Yes	CuTeSn/CuBe	Sn
54002210 (SWS)	Female	22	22	1.75	No	CuTeSn/CuBe	Au
54001811 (SWS)	Female	20	18	2.13	No	CuTeSn/CuBe	Au
54001410 (SWS)	Female	16	14	2.77	No	CuTeSn/CuBe	Au
54001206 (SWS)	Female	12	12	3.35	No	CuTeSn/CuBe	Au
54001010 (SWS)	Female	12	10	4.09	No	CuTeSn/CuBe	Au
54002201	Male	22	12	1.75	-	CuTeSn	Sn
54001801	Male	20	18	2.13	-	CuTeSn	Sn
54001301	Male	20+20	18+18	-	-	CuTeSn	Sn
54001401	Male	16	14	2.77	-	CuTeSn	Sn
54001001	Male	12	10	4.09	-	CuTeSn	Sn
54001804	Male	20	18	2.13	-	CuTeSn	PdAuNi
54002230	Male	22	22	1.75	-	CuTeSn	PdAuNi
54001818	Male	20	18	2.13	-	CuTeSn	PdAuNi
54002229	Male	22	22	1.75	-	CuTeSn	Au
54001819	Male	20	18	2.13	-	CuTeSn	Au
54002228	Male	22	22	1.75	-	CuTeSn	PdAuNi

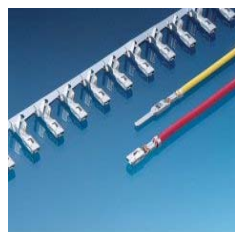
SWS: Single Wire Seal

Dimensional characteristics



Start > Search=54002200* > **54002200**

54002200



54002200

Apex female 2.8 mm terminal

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- Product documentation
- Technical library

Specifications

General Dimensional Electrical Mechanical Physical Environmental **Other Features**

General

Product Type	Terminal System
Terminal size (in mm)	2.8
Family	Apex
Features	without Grease Suitable for Secondary Lock Low Contact Mating Force High Current Carrying Capacity

Dimensional

Contact Pitch	5 mm
Electrical	
Maximum Insulation (in mm)	1.75
Resistance (Contact)	< 2
Mechanical	
Range of Wire Gauge Min - Max	AWG 22
Contact mating force	< 5N
Single Wire Seal Compatible	No
Contact unmating force	< 2N
Physical	
Plating	Sn
Material	CuTeSn/CuBe
Environmental	
IMDS	No
Other Features	
Type	Female
Tradename	Apex
Disclaimer	Displayed data is for information purposes only. For more information, please contact your local sales office. The supply of some products might be limited to some customers.