

E-SPRING CONTACT

Low Insertion Force Terminal In Mass Production

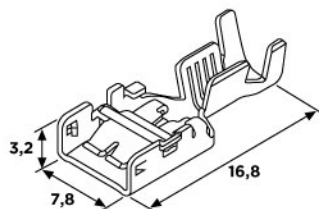
E-SPRING contact meets the highest quality requirements for Household Appliances and similar type of applications.

General Characteristics

- For 6,35 x 0,8 mm tabs
- Low insertion energy:
(1st insertion force 35N. max.)
- Robust design:
45N.min. (1st extraction)
20N.min. (8th extraction)
20N.min. (10th extraction)
- Complies with IEC 760/EN 61210
- According to VDE 0613
- Product Specification:
108-22150(steel)
108-22128(brass and tin plated brass)
108-22149(Sleeve)
- Application Specification: 114-22017

Main Applications

- Contact material:
Brass or steel base material.
- Finishes:
Tin and nickel plated products available
- Housings:
Polyamide
- Flame retardance:
UL 94 V2, UL 94 V0, UL 94 V0 & GWT 750



E-SPRING Contact (mm)

Applications

- Washing machines, dishwashers
- Refrigerators, freezers
- Cookers, hot plates, ovens
- Small appliances
- Vending and gambling machines

Advantages

Easy Insertion

- Its swinging spring makes the insertion easy and with practically no effort (work)
- Tab stop at the end of the mating process
- Design and geometry suitable for automation process

Contact Robustness

- Its geometry has been designed in order to endure overstress, pulling from the cable and non-aligned insertions

Minimum Effort for workers

- The insertion forces appear only in a small part of the insertion trajectory

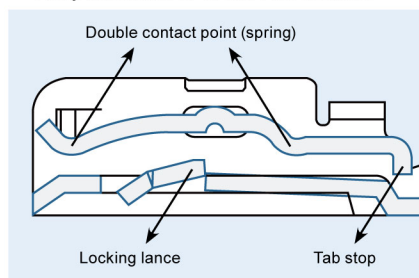
SAMPLES NOW AVAILABLE

te.com/products/e-spring



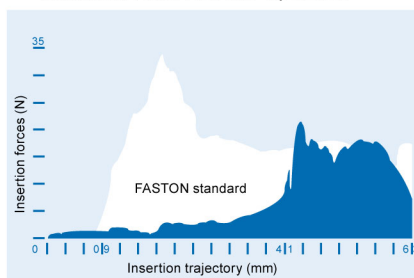
The Great Advantages for The Insertions in Mass Production

Easy Insertion & Great Robustness



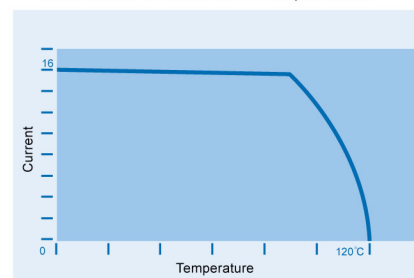
Functional features of the E-SPRING Contact

Minimum Effort for the Operator



The energy to insert the E-SPRING Contact is 50% of that to insert a FASTON

Maximum Current vs. Temperature

1,5mm², pre-tinned brass terminal
Test has been performed in ambient temperature

E-SPRING Contact Receptacles

E-SPRING Contact



Unplated

Tin Plated

Nickel Plated

	Wire Range (mm²)	Insulation Diameter (mm)	Tab Thickness	Material Thickness	Material	PN on Reel
	0.32 - 0.75	2.0 - 3.0	0.8	0.4	Brass	336074-1
	0.32 - 0.75	2.0 - 3.0	0.8	0.4	Brass - Pre Tin Plated	336074-3
	0.5 - 1.5	2.0 - 3.0	0.8	0.4	Brass	336075-1
	0.5 - 1.5	2.0 - 3.0	0.8	0.4	Brass - Pre Tin Plated	336075-3
	0.5 - 1.5	2.0 - 3.0	0.8	0.4	Steel - Pre Nickel	336075-5
	0.5 - 1.5	2.0 - 3.0	0.8	0.4	CuNiSi - Pre Tin*	336075-6
	> 1.0 - 2.5	3.0 - 3.6	0.8	0.4	Brass	336076-1
	> 1.0 - 2.5	3.0 - 3.6	0.8	0.4	Brass - Pre Tin Plated	336076-3
	> 1.0 - 2.5	3.0 - 3.6	0.8	0.4	Steel - Pre Nickel	336076-5
	> 1.0 - 2.5	3.0 - 4.3	0.8	0.4	Brass	1644008-1
	> 1.0 - 2.5	3.0 - 4.3	0.8	0.4	Brass - Pre Tin Plated	1644008-3
	> 1.0 - 2.5	3.0 - 4.3	0.8	0.4	Steel - Pre Nickel	1644008-5
	> 1.0 - 2.5	3.0 - 4.3	0.8	0.4	CuNiSi - Pre Tin*	1644008-6

* = on development

Insulation Sleeves



Version With Polarization (See Table)

Version Without Polarization (See Table)

Polarization	Color	Material	PN on
NO	Natural	PA 6 V0 GWT 750°C Without Flame	2-1644125-8
NO	Blue	PA 6 V2 GWT 750°C Without Flame	2-1644125-7
NO	Natural	PA 6 V2 GWT 750°C Without Flame	2-1644125-5
YES	Black	PA6/6 V0 For High Temp.	9-1644125-5
YES	Dark Grey	PA 6 V2 GWT 750°C Without Flame	2-1644125-4
NO	Black	PA6/6 V0 For High Temp.	9-1644125-4
NO	Dark Grey	PA 6 V2 GWT 750°C Without Flame	2-1644125-3

E-SPRING CONTACT



More Inquiry about E-SPRING Contact:

te.com/products/e-spring

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