



Terminals & Splices > Ring Terminals & Spade Terminals



Terminal & Splice Type: **Ring Tongue**

Wire Size: **190000 – 231100 CMA**

Ring & Spade Stud Size: **3/4**

Features

Product Type Features

Shape Description	RING-049
Ring & Spade Stud Size	3/4
Ring & Spade Barrel Type	Closed Barrel
Sealable	No
Insulated	No
Ring & Spade Wire/Cable Type	Regular Wire
Support Style	Insulation Support

Configuration Features

Number of Holes	2
Terminal Angle	Straight

Body Features

Weight per Piece	57.289 g
Ring & Spade Plating Material	Copper, Tin

Contact Features

Military Part Class	Class II
Terminal & Splice Type	Ring Tongue
Ring & Spade Terminal Orientation	Offset

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions



Wire Size	190000 – 231100 CMA
Stud Diameter	19.05 mm[.75 in]
Tongue Thickness	.79 mm[.031 in]
Ring & Spade Overall Length	69.39 mm[2.732 in]
Barrel Inside Diameter	16.13 mm[.635 in]

Usage Conditions

Insulation Requirement	Uninsulated
Operating Temperature Range	170 °C[338 °F]

Operation/Application

Heavy Duty	No
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Industry Standards

Government Qualified	Yes
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Packaging Features

Packaging Quantity	50
Ring & Spade Packaging Method	Loose Piece

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part



numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

TE Part # 1490414-3
HYP10 SOLIS HD 1/0AWG INDENTER

TE Part # 1490413-8
HYP10 SOLIS 4/0AWG NEST

TE Part # 45445
HYP8/10 SOLIS 4/0AWG DIE SET

TE Part # 48131
HYP8 SOLIS 1/0-4/0AWG INDENTER

TE Part # 300430
HYP8 SOLIS 4/0AWG NEST

Customers Also Bought

TE Part #325803
AMPPOWER TERMINAL 1 STUD HOLE

TE Part #276963-1
AMPPOWER TERMINAL SLOTTED STUD HOLE

TE Part #322262
TERMINAL,SOLIS R 400MCM 3/8

TE Part #323682
PIDG RING TONGUE TERMINALS

TE Part #320755
TERMINAL,SOLIS R 2 3/4

TE Part #3045010001
RPS COMMERCIAL GRADE SLEEVES

TE Part #CN9928-000
SBP SELF LAMINATING VINYL LABELS

TE Part #325614
AMPPOWER TERMINAL WO HOLE LONG BARREL



TE Part #322225
TERMINAL,SOLIS R 2/0 3/4

Documents

Product Drawings

TERMINAL,SOLIS R 4/0 3/4

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_322228_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_322228_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_322228_J.3d_stp.zip

English

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Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English

UL Report

English