



Positive Lock | Positive Lock 250

TE Internal #: 175178-1

Quick Disconnects, Receptacle, 12 – 10 AWG Wire Size, 3.31 – 5.26 mm² Wire Size, Mating Tab Width .25 in [6.35 mm], Flag, Brass, Positive Lock 250

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Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **3.31 – 5.26 mm²**

Mating Tab Width: **6.35 mm [.25 in]**

Mating Tab Thickness: **.81 mm [.032 in]**

Features

Product Type Features

Terminates To	Wire & Cable
Wire Stop	No
Wire/Cable Type	Regular Wire
Insertion Force	Low
Sealable	No

Configuration Features

Connection Capacity	Single
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Contact Features

Quick Disconnect Terminal Type	Receptacle
Mating Tab Width	6.35 mm[.25 in]
Mating Tab Thickness	.81 mm[.032 in]
Terminal Orientation	Flag
Contact Base Material	Brass
Terminal Plating Material	Pre-Tin
Crimp Type	Tab-Lok



Barrel Type	Open
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Mechanical Attachment

Extraction Force	7 – 100 Newton
Wire Insulation Support	With

Dimensions

Accepts Wire Insulation Diameter Range	2.8 – 4.9 mm[.11 – .193 in]
Overall Length	20.8 mm[.82 in]
Receptacle Terminal Stock Thickness	.41 mm[.016 in]
Wire Size	3.31 – 5.26 mm²

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]

Industry Standards

UL Rating	Recognized
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Packaging Features

Packaging Quantity	2000
Packaging Method	Strip/Reel

Product Compliance

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

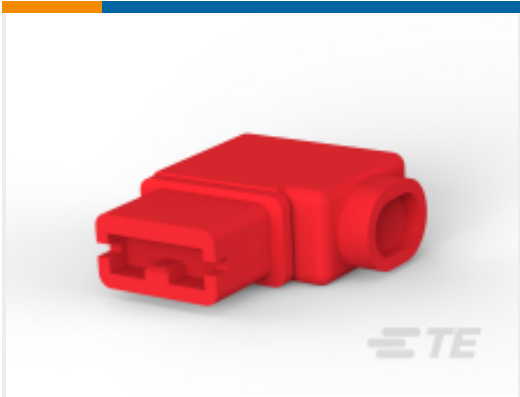
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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 # 1-176497-1 250 HSG. PL EX FLAG REC. NAT	 TE Part # 176497-1 POSITIVE LOCK .250 Hsg (6.3 MM) V2	 TE Part # 2232343-1 250 PL EX FLAG REC. 18-12AWG PTBR	 TE Part # 1-176497-9 PL EX SLEEVE 250 FLAG BLACK 6/6 NYLON
 TE Part # 1-176497-7 PL EX SLEEVE 250 FLAG RED 6/6 NYLON	 TE Part # 1-176497-4 250 POSITIVE LOCK REC EX SLEEV	 TE Part # 1-176497-6 PL EX 250 REC HSG 1P NYLON BLUE	 TE Part # 1855688-1 HDM-FA-EA-HB-LM & BENCH G-CUT
 TE Part # 2232343-2 250 PL EX FLAG REC. 18-12AWG PTBR FLAT			

Also in the Series | Positive Lock 250



Automotive Terminals(1)



Crimp Terminal Housings(202)



Insertion & Extraction Tools(3)



Insulation Boots & Sleeves(4)



Quick Disconnects(189)

Documents

Product Drawings

PL EX 250 REC TERMINAL-FLAG 12-10 PTPB

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175178-1_L_c-175178-1-l.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_175178-1_L_c-175178-1-l.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175178-1_L_c-175178-1-l.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_175178-1_053120182151_dmtec

English

MD_175178-1_053120182151_dmtec

English



Instruction Sheets

Instruction Sheet (non U.S.)

English

POSITIVE LOCK EX CONTACT

English