

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 3-1393767-6

Power Relays, Industrial Panel Plug-In, Monostable, 900 mW Coil

Power Rating DC, 700 Ω Coil Resistance, Sensitive Version, Potter & Brumfield R10

[View on TE.com >](#)

Relays & Contactors > Relays > Power Relays



Relay Type: Industrial Panel Plug-In

Coil Magnetic System: Monostable

Coil Power Rating DC: 900 mW

Coil Resistance: 700 Ω

Coil Special Features: Sensitive Version

Features

Product Type Features

Relay Type	Industrial Panel Plug-In
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Configuration Features

Contact Special Features	Single Contact
Coil Special Features	Sensitive Version
Contact Arrangement	4 Form C (CO)
Contact Number of Poles	4

Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Making Current	3 A
Contact Limiting Short-Time Current	3 A
Contact Limiting Continuous Current	3 A
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Resistance	10000 MΩ
Contact Limiting Breaking Current	3 A
Coil Power Rating DC	900 mW
Coil Resistance	700 Ω
Coil Voltage Rating	24 VDC

Contact Current Rating	3 A
Contact Switching Load (Min)	100mA @ 12V
Contact Voltage Rating	120 VAC

Body Features

Product Weight	40 g[1.41 oz]
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Contact Features

Contact Material	Ag
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Termination Features

Relay Connection Type	Plug-In
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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Dimensions

Product Width	18.66 mm[.734 in]
Product Length	24.13 mm[.95 in]
Product Height	29.97 mm[1.17 in]

Usage Conditions

Environmental Ambient Temperature (Max)	75 °C[167 °F]
Operating Temperature Range	-55 - 75 °C

Operation/Application

Actuating System	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Package
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Other

Length Class (Mechanical)	20 - 25 mm
Insulation Initial Dielectric Between Coil & Contact Class	500 - 1000 V
Environmental Ambient Temperature Class	70 - 85 °C
Height Class (Mechanical)	30 - 40 mm
Coil Power Rating Class	800 - 1000 mW
Width Class (Mechanical)	16 - 20 mm

Contact Current Class

16 A

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JAN 2024 (240)</p> <p>Candidate List Declared Against: JAN 2023 (233)</p> <p>SVHC > Threshold: Pb (3.7% in Component part)</p> <p>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 260°C

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

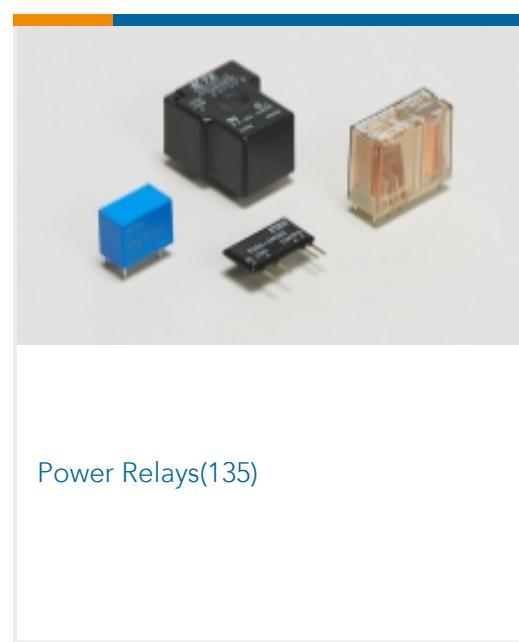


TE Part # 1-1393767-8
R10-E2X4-V700=R10

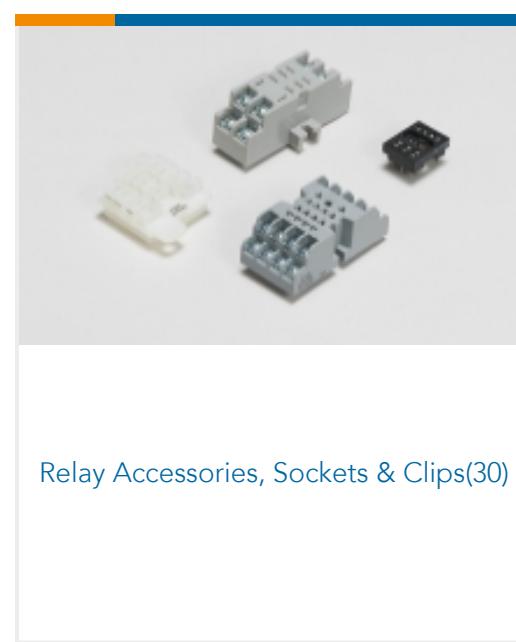
Also in the Series | [Potter & Brumfield R10](#)



PCB Headers & Receptacles(1)

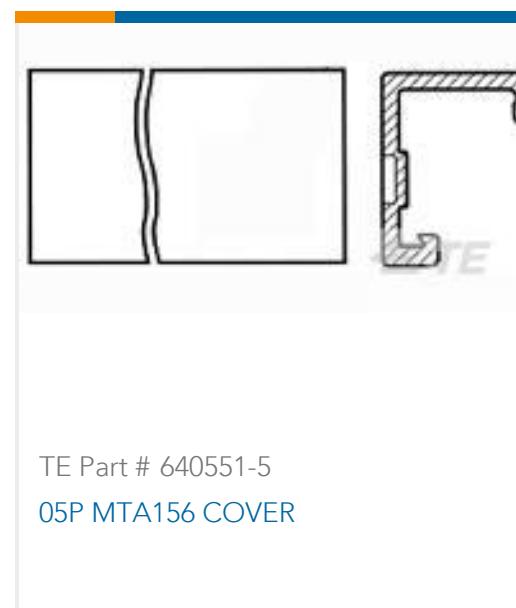
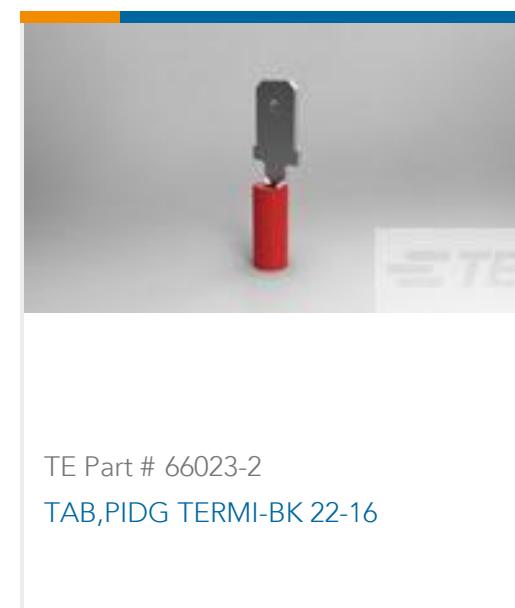
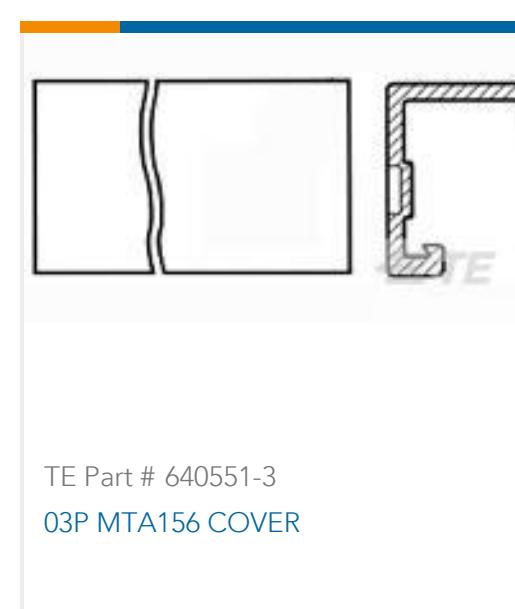


Power Relays(135)



Relay Accessories, Sockets & Clips(30)

Customers Also Bought

TE Part # 5-1625971-7
HSA25 560R 5%TE Part # 8-31880-1
PIDG R 22-16 COMM 22-18 MIL 4TE Part # 640551-5
05P MTA156 COVERTE Part # 66023-2
TAB,PIDG TERMI-BK 22-16TE Part # 3-1415390-1
PE014F12TE Part # 3-640427-4
04P MTA156 CONN ASSY 20AWG YELTE Part # 3-643817-5
05P MTA156 CONN ASSY 18AWG
ORATE Part # 640551-3
03P MTA156 COVERTE Part # 3-1437664-3
NC6-P108-04=7180XX002/30TE Part # 87046-3
MOD IV RECP LP

Documents

CAD Files

[3D PDF](#)
[3D](#)

Customer View Model

[ENG_CVM_CVM_3-1393767-6_A.2d_dxf.zip](#)
[English](#)

Customer View Model

[ENG_CVM_CVM_3-1393767-6_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1393767-6_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[R10 General Purpose Dry Circuit to 7.5 Amp Multicontact AC or DC Relay](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English

Agency Approvals

[CSA Certificate](#)

English