

R10-E1Z4-V2.5K ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

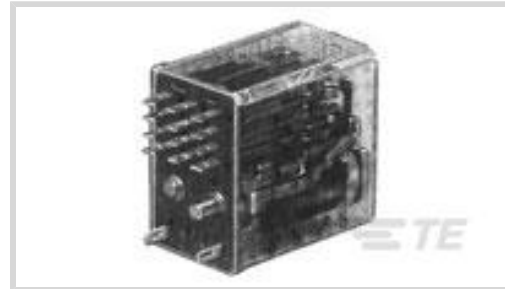
TE Internal #: 8-1393766-0

Power Relays, Industrial Panel Plug-In, Monostable, DC, 900 mW
Coil Power Rating DC, 2500 Ω Coil Resistance, Sensitive Version,
Potter & Brumfield R10

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **900 mW**

Coil Resistance: **2500 Ω**

Coil Special Features: **Sensitive Version**

Features

Product Type Features

| | |
|------------------|--------------------------|
| Power Relay Type | Industrial Panel Plug-In |
|------------------|--------------------------|

Electrical Characteristics

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|--|--------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 500 – 1000 V |
|--|--------------|

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|---|-----------|
| Insulation Initial Dielectric Between Contacts & Coil | 1000 Vrms |
|---|-----------|

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|------------------|----|
| Actuating System | DC |
|------------------|----|

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|---|----------|
| Insulation Initial Dielectric Between Open Contacts | 500 Vrms |
|---|----------|

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|-------------------------|---------------|
| Coil Power Rating Class | 800 – 1000 mW |
|-------------------------|---------------|

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|---|-----------|
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
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|-------------------------------|------------------|
| Insulation Initial Resistance | 10000 M Ω |
|-------------------------------|------------------|

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|----------------------|----------------|
| Coil Magnetic System | Monostable, DC |
|----------------------|----------------|

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|----------------------|--------|
| Coil Power Rating DC | 900 mW |
|----------------------|--------|

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|-----------------|---------------|
| Coil Resistance | 2500 Ω |
|-----------------|---------------|

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|-----------------------|-------------------|
| Coil Special Features | Sensitive Version |
|-----------------------|-------------------|

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|---------------------|--------|
| Coil Voltage Rating | 48 VDC |
|---------------------|--------|

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|------------------------------|-----------|
| Contact Switching Load (Min) | 1mA @ 12V |
|------------------------------|-----------|

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|------------------------|---------|
| Contact Voltage Rating | 120 VAC |
|------------------------|---------|

Body Features

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|----------------|---------------|
| Product Weight | 40 g[1.41 oz] |
|----------------|---------------|



Contact Features

| | |
|------------------------------|--------------------------|
| Contact Special Features | Bifurcated/Twin Contacts |
| Contact Arrangement | 4 Form C (CO) |
| Contact Current Class | 0 – 2 A, 16 A |
| Contact Current Rating (Max) | 2 A |
| Contact Material | Ag |
| Contact Number of Poles | 4 |
| Relay Terminal Type | Plug-In, Solder |

Mechanical Attachment

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|---------------------|--------|
| Relay Mounting Type | Socket |
|---------------------|--------|

Dimensions

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|---------------------------|-------------------|
| Length Class (Mechanical) | 25 – 30 mm |
| Height Class (Mechanical) | 30 – 40 mm |
| Width Class (Mechanical) | 16 – 20 mm |
| Product Width | 18.7 mm[.736 in] |
| Product Length | 29.6 mm[1.165 in] |
| Product Height | 30.2 mm[1.189 in] |

Usage Conditions

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|---|---------------|
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Environmental Ambient Temperature (Max) | 75 °C[167 °F] |
| Operating Temperature Range | -55 – 75 °C |

Packaging Features

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|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: |



Pb (3.7% in Component Part)

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.

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 # 1-1393143-2
27E129=SOCKET,R10,16,PC,PHEN



TE Part # 1393143-9
27E126=SOCKET,R10,16,SLG,PHE



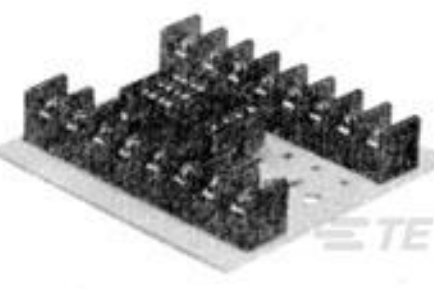
TE Part # 1-1393143-5
27E152=SOCKET,R10,ASSY,W/BRK



TE Part # 2-1393143-2
27E194=SOCKET,R10,16,PC,PHEN



TE Part # 2-1393143-5
27E213=SOCKET,R10,16,PC,PHEN



TE Part # 4-1393143-4
27E461=SOCKETS



TE Part # 5-1393143-1
27E637=SOCKETS



TE Part # 4-1393143-2
27E447=SOCKETS

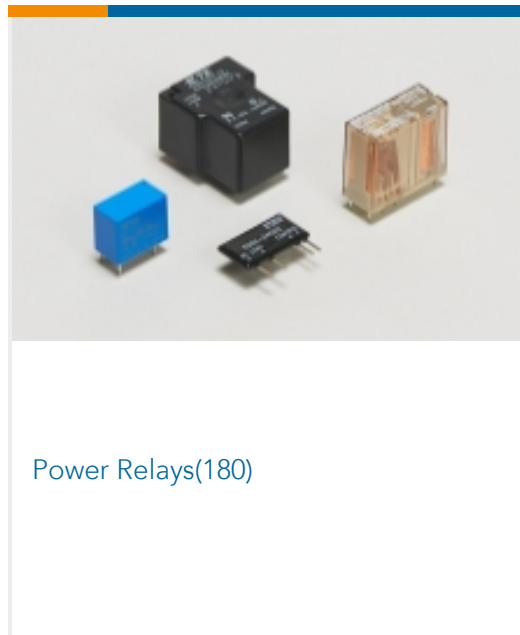


TE Part # 4-1393143-8
27E629=SOCKETS

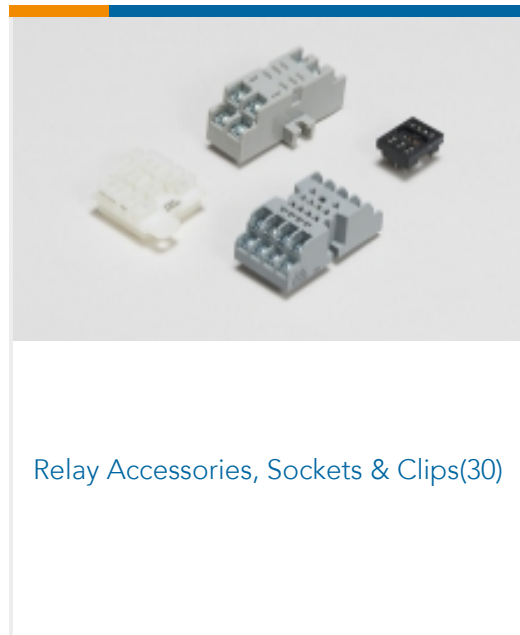
Also in the Series | Potter & Brumfield R10



PCB Headers & Receptacles(1)

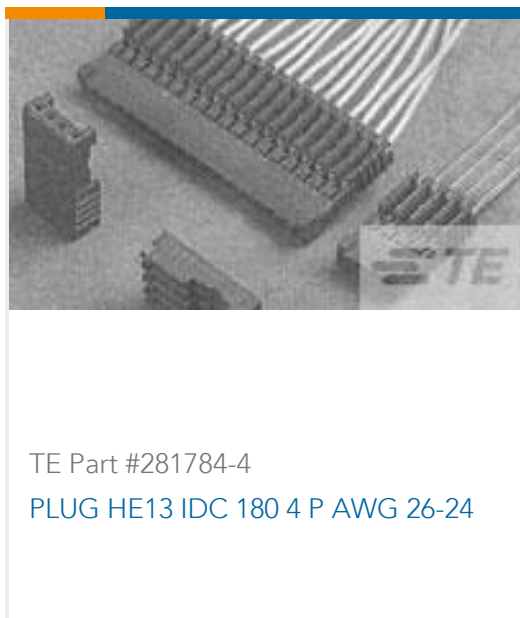


Power Relays(180)



Relay Accessories, Sockets & Clips(30)

Customers Also Bought



TE Part #281784-4
PLUG HE13 IDC 180 4 P AWG 26-24



TE Part #1991253-9
9 WAY LOW COST D SUB BACKSHELL



TE Part #1676221-3
RN 0805 1K0 0.1% 10PPM 5KRL



TE Part #7-1393766-2
R10-E1Z2-V185=R10



TE Part #2301995-2
RJ45 JACK INT.MAG. 10/100 1X1
VERT.



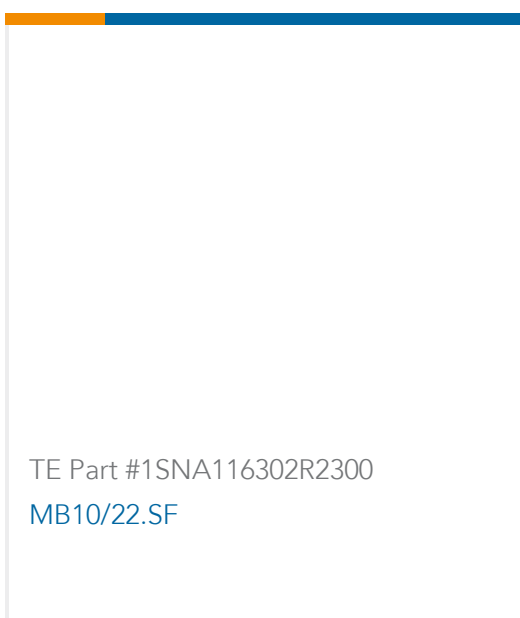
TE Part #2176443-2
HCF110 100W 10R 5% LEAD



TE Part #640251-2
02P SL156 HSG W/O RAMP NATL



TE Part #3-1393118-0
KUP-14D35F-24=KU



TE Part #1SNA116302R2300
MB10/22.SF



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_8-1393766-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-1393766-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-1393766-0_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