3-1393808-6 ACTIVE

Axicom | Axicom Cradle Relay N

TE Internal #: 3-1393808-6

Signal Relays, 250 VDC Contact Voltage, 250 VAC Contact Voltage, 620 mW Coil Power (DC), Screw Mount / Socket, PCB-THT, Axicom

Cradle Relay N

View on TE.com >



Relays, Contactors & Switches > Relays > Signal Relays > Signal Relays: 5 amp, Monostable DC



Contact Voltage Rating: 250 VDC

Signal Relay Coil Power Rating (DC): 620 mW
Signal Relay Mounting Type: Screw Mount, Socket

Signal Relay Terminal Type: PCB-THT

All Signal Relays: 5 amp, Monostable DC (138)

Features

Product Type Features

| Relay Type | Cradle N Relay V23154/V23162 |
|--|------------------------------|
| Relay Style | Cradle N Relay |
| Product Type | Relay |
| Electrical Characteristics | |
| Coil Power Rating Class | 800 – 1000 mW |
| Actuating System | AC/DC |
| Input Voltage | 250 VDC |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Limiting Short-Time Current | 5 A |
| Insulation Initial Dielectric Between Contacts and Coil | 1500 Vrms |
| Insulation Initial Dielectric Between Coil/Contact Class | 1000 V – 1500 VA |
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
| Power Consumption | 800 mW |
| Insulation Initial Resistance | 1000 ΜΩ |
| Contact Limiting Making Current | 5 A |

58 Ω

5 A

Monostable

Coil Resistance

Coil Type

Contact Limiting Continuous Current



| Contact Uniting Breaking Current 5 A Contact Voltage Rating 250 VDC Signal Relay Coll Power Rating (DC) 620 mW Signal Relay Coil Voltage Rering 6 VDC Signal Relay Contact Switching Voltage (Max) 250 VDC Signal Relay Coil Magnetic System Monostable, DC Body Features Weight Contact Plating Material Gold Contact Plating Material Gold Contact Special Features Single Contact Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Niccel-Palladium Contact Number of Poles 2 Termination Features 2 Termination Features Plug In/Solder Mechanical Attachment Signal Relay Mounting Type Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Width Class (Mechanical) 16 – 20 mm Width Class (Mechanical) 25 – 30 mm Height Class (Mechanical) <th></th> <th></th> | | |
|--|--|--|
| Signal Relay Coll Power Rating (DC) 620 mW Signal Relay Coll Valtage Rating 6 VDC Signal Relay Contact Switching Valtage (Max) 250 VDC Signal Relay Coll Magnetic System Monostable, DC Body Features Weight Weight 25 gl.883 oz] Contact Features Contact Plating Material Contact Special Peatures Single Contact Contact Special Features Single Contact Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features 2 Termination Type Plug In/Solder Mechanical Attachment Signal Relay Mounting Type Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanica) Width Class (Mechanica) 25 – 30 mm Height Class (Mechanica) 25 – 30 mm Height Class (Mechanica) 25 – 30 mm Height Class (Mechanica) 19 × 30 × 30 mm (J48 × 1.181 × 1.181 in) | Contact Limiting Breaking Current | 5 A |
| Signal Relay Coil Voltage Rating Signal Relay Contact Switching Voltage (Max) Signal Relay Coil Magnetic System Monostable, DC Body Features Weight 25 gt.883 oz] Contact Plating Material Contact Plating Material Contact Current Class 2 – 5 A Contact Special Features Single Contact Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Anangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Weith 19 mm1, 181 in] Length Class (Mechanical) Length Liength Class (Mechanical) Dimensions (L x W x H) (Approximate) Environmental Ambient Temperature (Max) For C(158 °F) | Contact Voltage Rating | 250 VDC |
| Signal Relay Contact Switching Voltage (Max) 250 VDC Signal Relay Coil Magnetic System Monostable, DC Body Features Weight 25 g(.883 oz) Contact Features Contact Features Contact Plating Material Gold Contact Current Class 2 – 5 A Contact Special Features Single Contact Signal Relay Terminal Type PCB-THT Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel Pallacium Contact Number of Poles 2 Termination Features Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Mechanical Attachment Screw Mount, Socket Dimensions Width Class (Mechanical) Width Class (Mechanical) 16 - 20 mm Width Class (Mechanical) 25 - 30 mm Height Class (Mechanical) 25 - 30 mm Length 30 mm(1,181 in) Dimensions (L x W x L | Signal Relay Coil Power Rating (DC) | 620 mW |
| Signal Relay Cell Magnetic System Body Features Weight 25 g(.883 oz) Contact Peatures Contact Plating Material Gold Contact Current Class 2-5 A Contact Special Features Single Contact Signal Relay Terminal Type PCB-THT Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width Class (Mechanical) 19 mm [748 in] Height 30 mm [1.181 in] Length 30 mm [1.181 in] Length 30 mm [1.181 in] Dimensions Environmental Ambient Temperature (Max) 70 °C [158 °F] | Signal Relay Coil Voltage Rating | 6 VDC |
| Body Features 25 gt.883 ozj Contact Features Gold Contact Plating Material Gold Contact Current Class 2 – 5 A Contact Special Features Single Contact Signal Relay Terminal Type PCB-THT Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Patures Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Width Class (Mechanical) 16 – 20 mm Width Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm(1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm(.7/8 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C(158 °T) | Signal Relay Contact Switching Voltage (Max) | 250 VDC |
| Contact Features Gold Contact Plating Material Gold Contact Special Features Single Contact Signal Relay Terminal Type PCB-THT Signal Relay Cornact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Type Plug-in/Solder Mechanical Attachment Screw Mount, Socket Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Width Class (Mechanical) 16 – 20 mm Width (List in) 19 mm[7.48 in] Leight (Class (Mechanical)) 25 – 30 mm Leight (Class (Mechanical)) 25 – 30 mm Length (Class (Mechanical)) <td< td=""><td>Signal Relay Coil Magnetic System</td><td>Monostable, DC</td></td<> | Signal Relay Coil Magnetic System | Monostable, DC |
| Contact Plating Material Gold Contact Current Class 2 - 5 A Contact Special Features Single Contact Signal Relay Terminal Type PCB THT Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 - 20 mm Width 19 mm[748 in] Height Class (Mechanical) 25 - 30 mm Height Class (Mechanical) 25 - 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Body Features | |
| Contact Plating Material Gold Contact Current Class 2 – 5 A Contact Special Features Single Contact Signal Relay Terminal Type PCB THT Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features 2 Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm(748 in) Height Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm(1.181 in) Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm(7.48 x 1.181 x 1.181 in) Usage Conditions Environmental Ambient Temperature (Max) 70 "Cl158 "F | Weight | 25 g[.883 oz] |
| Contact Current Class 2 – 5 A Contact Special Features Single Contact Signal Relay Terminal Type PCB THT Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features 2 Termination Type Plug-In/Solder Mechanical Attachment Screw Mount, Socket Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Width Class (Mechanical) 16 – 20 mm Width 19 mm[748 in] Height Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Contact Features | |
| Contact Special Features Single Contact Signal Relay Terminal Type PCB-THT Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[.748 in] Height Length Class (Mechanical) Length 30 mm[1.181 in] Length Dimensions (I. x W x H) (Approximate) Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Contact Plating Material | Gold |
| Signal Relay Terminal Type Signal Relay Contact Current Rating 1.25 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[.748 in] Height Length Class (Mechanical) 25 – 30 mm Hoight Class (Mechanical) Length 30 mm[1.181 in] Length Dimensions (L x W x H) (Approximate) Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Contact Current Class | 2 – 5 A |
| Signal Relay Contact Current Rating Signal Relay Contact Arrangement I Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Height Length Class (Mechanical) Length Class (Mechanical) Length Dimensions (L x W x H) (Approximate) Environmental Ambient Temperature (Max) 1 Form C (CO) Nickel-Palladium 1 Form C (CO) 2 Tom C (CO) 1 Form C (CO) 1 Form C (CO) 2 Tom C (CO) 1 Form C (CO) | Contact Special Features | Single Contact |
| Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel-Palladium Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[,748 in] Height Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[,748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Signal Relay Terminal Type | PCB-THT |
| Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length Class (Mechanical) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Signal Relay Contact Current Rating | 1.25 A |
| Contact Number of Poles 2 Termination Features Termination Type Plug-In/Solder Mechanical Attachment Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[,748 in] Height 30 mm[,1.81 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[,1.81 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[,748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Signal Relay Contact Arrangement | 1 Form C (CO) |
| Termination Features Termination Type Plug-In/Solder Mechanical Attachment Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Contact Material | Nickel-Palladium |
| Termination Type Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) Width Class (Mechanical) Height 10 mm (1.181 in) Length Class (Mechanical) Height Class (Mechanical) Length Class (Mechanical) Length Dimensions (L x W x H) (Approximate) Dimensions (L x W x H) (Approximate) Environmental Ambient Temperature (Max) To °C[158 °F] | Contact Number of Poles | 2 |
| Mechanical Attachment Signal Relay Mounting Type Screw Mount, Socket Dimensions 16 – 20 mm Width Class (Mechanical) 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Termination Features | |
| Signal Relay Mounting Type Screw Mount, Socket Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Termination Type | Plug-In/Solder |
| Dimensions Width Class (Mechanical) 16 – 20 mm Width 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Mechanical Attachment | |
| Width Class (Mechanical) Width 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Signal Relay Mounting Type | Screw Mount, Socket |
| Width 19 mm[.748 in] Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Dimensions | |
| Height 30 mm[1.181 in] Length Class (Mechanical) 25 – 30 mm Height Class (Mechanical) 25 – 30 mm Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Width Class (Mechanical) | 16 – 20 mm |
| Length Class (Mechanical) Height Class (Mechanical) Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Width | 19 mm[.748 in] |
| Height Class (Mechanical) Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Height | 30 mm[1.181 in] |
| Length 30 mm[1.181 in] Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Length Class (Mechanical) | 25 – 30 mm |
| Dimensions (L x W x H) (Approximate) 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Height Class (Mechanical) | 25 – 30 mm |
| Usage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F] | Length | 30 mm[1.181 in] |
| Environmental Ambient Temperature (Max) 70 °C[158 °F] | Dimensions (L x W x H) (Approximate) | 19 x 30 x 30 mm[.748 x 1.181 x 1.181 in] |
| | Usage Conditions | |
| Environmental Ambient Temperature Class 50 – 70°C | Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
| | Environmental Ambient Temperature Class | 50 - 70°C |



| Operating Temperature Range | -40 – 70 °C |
|-----------------------------|--------------|
| Operation/Application | |
| Performance Type | Standard |
| Packaging Features | |
| Packaging Method | Box & Carton |

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: JAN 2018 (181) 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 | Wave solder capable to 265°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





Also in the Series | Axicom Cradle Relay N



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1393808-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1393808-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1393808-6_A.3d_stp.zip

English

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Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Specification

English