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# 1415390-1 Product Details

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Active

## Industrial Relays (General Purpose)

PE014F03

**1415390-1**

TE Internal Number: 1415390-1

**Product Highlights** [View All](#)

- PE bistable Series
- Contact - Current Class = 2A to 5A Class, Less Than 16A
- Contact - Rated Current = 5 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form C (CO)

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**Please Note:**

Use the Product Drawing for all design activity

**Electrical Characteristics**

Contact - Current Class	2A to 5A Class, Less Than 16A
Contact - Rated Current (A)	5
Contact - Limiting Continuous Current (A)	5
Contact - Limiting Making Current (A)	5
Contact - Limiting Breaking Current (A)	5
Insulation - Initial Dielectric Between Coil/Contact Class	3500V to 4000V Class
Insulation - Initial Dielectric Between Open Contacts (V rms)	1000
Insulation - Initial Dielectric Between Contacts and Coil (V rms)	4000
Contact - Rated Voltage (VAC)	250
Contact - Switching Voltage Max. (VAC)	400
Contact - Limiting Short-Time Current (A)	5
Coil - Rated Voltage (VDC)	3

**Body Features**

Mount Type	PCB
Weight (g [oz])	5.00 [0.1764]

**Contact Features**

Terminal Type	PCB-THT
Contact Material	AgNi90/10
Contact - Number of Poles	1

**Configuration Features**

Contact - Arrangement	1 Form C (CO)
Coil - Magnetic System	Bistable, 1 Coil, polarized

**Industry Standards**

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
RoHS/ELV Compliance History	Converted to comply with

RoHS directive

<b>Coil - Resistance (Ω)</b>	41
<b>Coil - Rated Power, DC (mW)</b>	220
<b>Insulation - Initial Insulation Resistance (MΩ)</b>	10000000
<b>Insulation - Creepage Class</b>	3mm to 5.5mm Class
<b>Insulation - Clearance Class</b>	2.5mm to 4mm Class
<b>Insulation - Special Features</b>	Tracking Index of Relay Base PT1250

<b>Approved/Registered Standards</b>	cULus, VDE
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**Environmental**

<b>Environmental - Category of Protection</b>	RTII
<b>Environmental - Ambient Temperature, Max. (°C [°F])</b>	85 [185]
<b>Environmental - Ambient Temperature Class</b>	70°C to 85°C Class

**Dimensions**

<b>Mechanical - Length Class</b>	16mm to 20mm Class
<b>Length (mm [in])</b>	20.00 [0.787]
<b>Mechanical - Width Class</b>	8mm to 10mm Class
<b>Width (mm [in])</b>	10.00 [0.394]
<b>Mechanical - Height Class</b>	9mm to 10mm Class
<b>Height (mm [in])</b>	10.00 [0.394]
<b>Insulation - Clearance Between Contact and Coil (mm [in])</b>	3.2 [0.126]
<b>Insulation - Creepage Between Contact and Coil (mm [in])</b>	4 [0.157]

**Packaging Features**

<b>Packaging Method</b>	Tube/Box
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**Other**

<b>Series</b>	PE bistable
<b>Brand</b>	Schrack

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