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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

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

Approved/Registered Standards	cULus, VDE
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Environmental

Environmental - Category of Protection	RTII
Environmental - Ambient Temperature, Max. ($^{\circ}$C [$^{\circ}$F])	85 [185]
Environmental - Ambient Temperature Class	70 $^{\circ}$ C to 85 $^{\circ}$ C Class

Dimensions

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

Packaging Features

Packaging Method	Tube/Box
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Other

Series	PE bistable
Brand	Schrack

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