KUL-5D15D-12 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield KUL

TE Internal #: 1393116-5

Potter & Brumfield KUL, Power Relays, Industrial Panel Plug-In, Bistable, 2 Coils, 1600mW Coil Power Rating DC, 90Ω Coil Resistance, Magnetic Latching

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Relays, Contactors & Switches > Relays > Power Relays

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

Coil Magnetic System: **Bistable, 2 Coils**

Coil Power Rating DC: **1600 mW**

Coil Resistance: **90 Ω**

Coil Special Features: **Magnetic Latching**

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	1000 – 1500 V
Insulation Initial Dielectric Between Contacts & Coil	1500 Vrms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	100 MΩ
Coil Magnetic System	Bistable, 2 Coils
Coil Power Rating DC	1600 mW
Coil Resistance	90 Ω
Coil Special Features	Magnetic Latching
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	300mA @ 12V
Contact Voltage Rating	240 VAC

Body Features

Product Weight	96 g[3.386 oz]

Contact Features

Contact Arrangement	1 Form A (NO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	10 A
Contact Material	AgCdO
Contact Number of Poles	1
Terminal Type	Quick Connect, Solder

Mechanical Attachment

Relay Mounting Type	Socket

Dimensions

Length Class (Mechanical)	35 – 40 mm
Width Class (Mechanical)	30 – 40 mm
Product Width	35.7 mm[1.405 in]
Product Length	38.9 mm[1.55 in]
Product Height	54.8 mm[2.157 in]

Usage Conditions

Environmental Ambient Temperature Class	0 – 50 °C
Environmental Ambient Temperature (Max)	50 °C[122 °F]
Operating Temperature Range	-45 – 50 °C

Packaging Features

Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

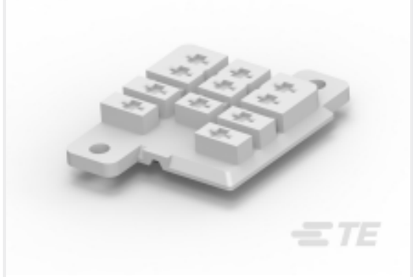
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: DEC 2012 (138) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

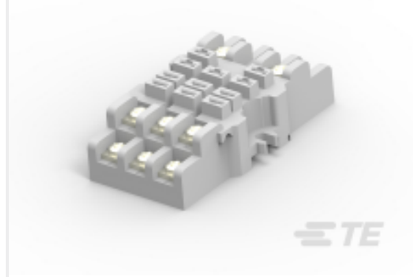
Compatible Parts

TE Part # 2-1419106-5
27E893=SOCKET,KU,11,QC,POLY,NA-



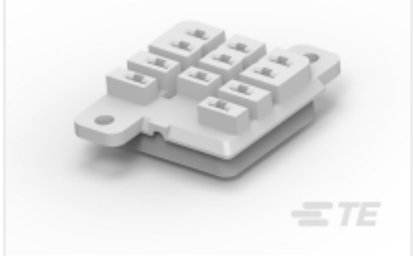
TE Part # 1419106-4
27E046=SOCKET,KU,11,PC,NYL,NAT

TE Part # 1393143-1
27E043=SOCKET,KU,11,SLG,NYL,N



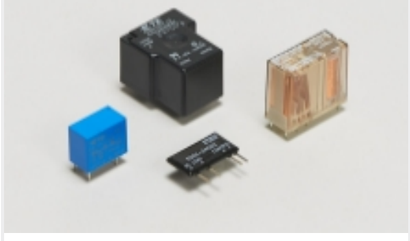
TE Part # 1393143-5
27E121=SOCKET,KUP,11,SCW,PLE

TE Part # 3-1393143-8
27E396=SOCKETS



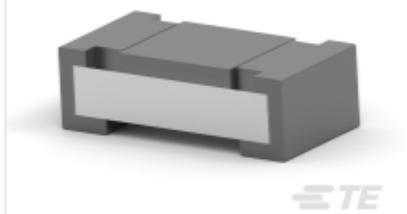
TE Part # 1393143-2
27E067=SOCKET,KU,11,QC.187,NY

Also in the Series | Potter & Brumfield KUL

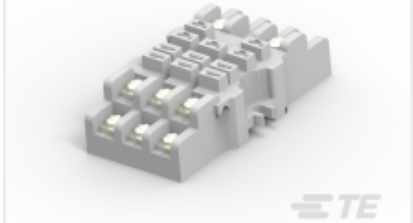


Power Relays(14)

Customers Also Bought

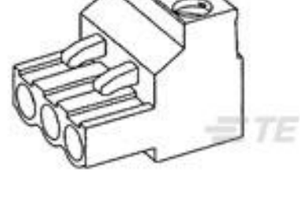


TE Part #1-2176049-7
Thick Film Resistor: Current Sense



TE Part #1393143-5
27E121=SOCKET,KUP,11,SCW,PLE

TE Part #2-1393122-4
KHAU-17A11H-120=KH



TE Part #1-796635-6
16 POS 5.08MM R/A PLUG,TRM BLK

TE Part #WM-12P
DEUTSCH DTM WEDGELOCKS

TE Part #1393315-9
V23132B2002A200=HCR

TE Part #2-1414939-2
V23132A2001B200-EV-USBX

TE Part #1393143-2
27E067=SOCKET,KU,11,QC.187,NY

TE Part #1437440-2
7012ABM=RLY,STD,ON,2P,120VAC,

TE Part #2-1423164-9
7022PHM=RLY,STD,OFF,2P,125VDC

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1393116-5_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1393116-5_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1393116-5_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

KUL 10 Amp Magnetic Latching Relay

English

Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English