

# KBP-17DG-48 ! PENDING OBSOLESCENCE

Potter & Brumfield | Potter & Brumfield KBP

TE Internal #: 3-1423960-2

TE Internal Description: KBP-17DG-48=RELAY,4C,AGCDO,LATCH,  
OCTAL

[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: **2710 mW**

Coil Resistance: **850  $\Omega$**

Coil Special Features: **Mechanically Latching**

## Features

### Product Type Features

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

### Electrical Characteristics

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

Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
---	----------

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

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

Contact Limiting Making Current	10 A
---------------------------------	------

Contact Limiting Short-Time Current	10 A
-------------------------------------	------

Contact Limiting Continuous Current	10 A
-------------------------------------	------

Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
---	-----------

Insulation Initial Resistance	100 M $\Omega$
-------------------------------	----------------

Contact Limiting Breaking Current	10 A
-----------------------------------	------

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

Coil Power Rating DC	2710 mW
----------------------	---------

Coil Resistance	850 $\Omega$
-----------------	--------------

Coil Special Features	Mechanically Latching
-----------------------	-----------------------

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

Contact Switching Load (Min)	300mA @ 12V
------------------------------	-------------

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

### Body Features

Product Weight	306 g[10.794 oz]
----------------	------------------

### Contact Features

Contact Arrangement	4 Form C (CO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	10 A
Contact Material	AgCdO
Contact Number of Poles	4
Relay Terminal Type	Plug-In

### Mechanical Attachment

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

### Dimensions

Width Class (Mechanical)	40 mm
Product Width	45.2 mm[1.779 in]
Product Length	61.1 mm[2.406 in]
Product Height	90.4 mm[3.559 in]

### Usage Conditions

Environmental Ambient Temperature Class	70 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-45 – 85 °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: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Cadmium oxide (7.95% in Component Part)

Article Safe Usage Statements:

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. 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

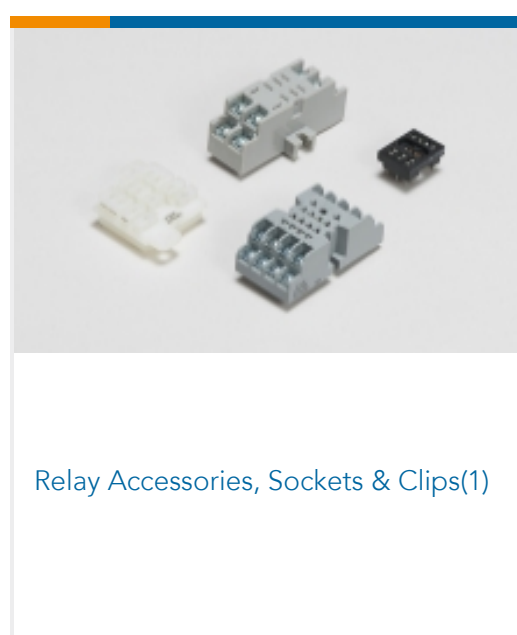
#### Product Compliance Disclaimer

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



## Also in the Series | Potter & Brumfield KBP



## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_3-1423960-2\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1423960-2\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1423960-2\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English