

Eutectic Alloy Overload Relay Specifications

Bulletin Number 592

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Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.ab.com	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.



Eutectic Alloy Overload Relay Specifications



**Eutectic Alloy Type
Panel Mount**

The Bulletin 592 Overload Relay is a manual reset, eutectic alloy, thermal type overload device. When coordinated with the proper short circuit protection, the overload relay is intended to protect the motor, motor controller, and power wiring against overheating due to excessive overcurrents.

All Bulletin 592 block type relays are furnished with an optical indicator which becomes visible when the relay has tripped. A manual contact test module is provided as standard on block type Bulletin 592 overload relays. One N.O. or N.C. auxiliary contact may be field added to block type Bulletin 592 overload relays. This extra contact module physically replaces the contact test module.

Standards Compliance

UL 508
CSA 22.2 No. 14
CE Mark

Certifications

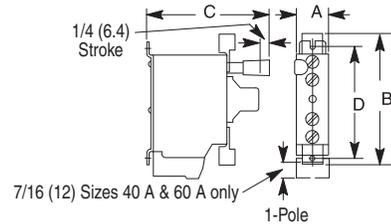
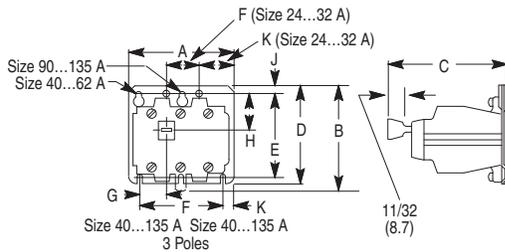
UL Listed (File No. E14840,
Guide No. NKCR)
CSA Certified (File No. LR1234)

STARTER MOUNT — For installation on Bulletin 500 Line NEMA contactors.

Heater Elements — Overload relays require 3 overload heater elements.

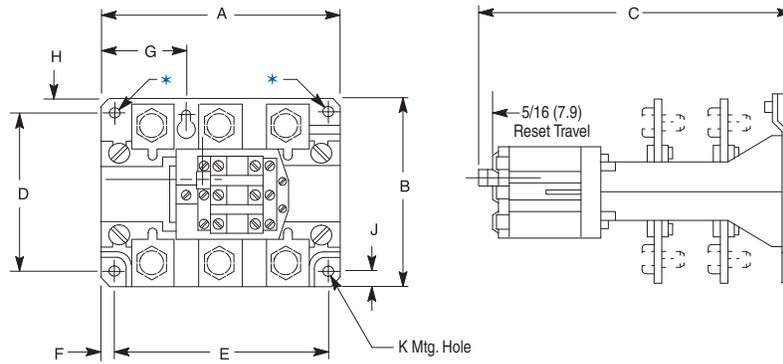
Dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

Open Type without Enclosure for Bulletin 592 Eutectic Alloy Type — Manual Reset — Panel Mount



Maximum Current [A]	No. of Poles	A Wide	B High	C Deep	D	E	F	G	H	J	K
24/32	3	2-11/16 (68.3)	3-1/4 (82.6)	3-41/64 (92.6)	—	2-3/4 (70)	55/64 (22)	—	—	1/4 (6.4)	29/32 (23)
40	1	7/8 (22.2)	3-1/4 (82.6)	3-9/16 (90.5)	2-29/32 (73.8)	—	—	—	—	—	—
	3	3-15/16 (100)	—	4-1/2 (114)	3-21/32 (93)	3-5/32 (80)	3-5/32 (80)	1-3/64 (26.5)	1-3/8 (35)	1-9/64 (7.5)	25/64 (9.9)
62	1	7/8 (22.2)	3-13/16 (96.8)	3-9/16 (90.5)	3-1/8 (79.4)	—	—	—	—	—	—
	3	3-15/16 (100)	3-31/32 (101)	4-1/2 (114)	3-21/32 (93)	3-5/32 (80)	3-5/32 (80)	1-3/64 (26.5)	1-3/8 (35)	1-9/64 (7.5)	25/64 (9.9)
125	3	6-7/32 (158)	5-7/8 (149)	4-49/64 (121)	6-1/4 (159)	5-1/2 (140)	5-1/2 (140)	1-61/64 (49.6)	2-3/4 (69.8)	5/16 (7.9)	23/64 (9.1)
165	3	6-7/32 (158)	6-17/32 (166)	4-49/64 (121)	6-1/4 (159)	5-1/2 (140)	5-1/2 (140)	1-61/64 (49.6)	2-3/4 (69.8)	5/16 (7.9)	23/64 (9.1)

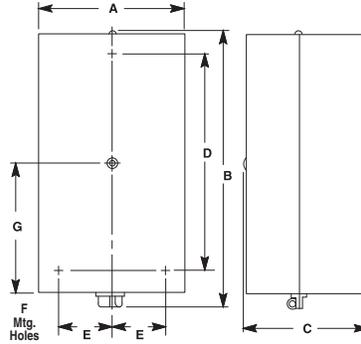
Open Type without Enclosure for Bulletin 592 Current Transformer Type — Eutectic Alloy, Manual Reset



Cat. No.	A Wide	B High	C Deep	D	E	F	G	H	J	K
592-TPD200	5-5/16 (135)	5-19/32 (142)	8-9/16 (217.5)	4-23/32 (120)	4-23/32 (120)	19/64 (7.5)	1-59/64 (49)	29/64 (12)	51/64 (10)	21/64 (8.4)
592-TPD300	6-63/64 (177.3)	5-19/32 (142)	9-5/32 (233)	4-23/32 (120)	6-9/64 (156)	27/64 (10.6)	22-1/2 (63.6)	29/64 (12)	51/64 (10)	9/32 (7)
592-TPD400	6-63/64 (177.3)	10-15/32 (266)	9-5/32 (233)	4-23/32 (120)	6-9/64 (156)	27/64 (10.6)	22-1/2 (63.6)	29/64 (12)	51/64 (10)	9/32 (7)
592-TPD630	9-27/32 (250)	7-55/64 (210)	8-19/32 (218)	7-3/32 (180)	8-57/64 (226)	15/32 (12)	3-19/64 (84)	25/64 (10)	51/64 (10)	9/32 (7)

* Mounting holes for Cat. Nos. 592-TPD400 and 592-TPD630 only.

Type 1 General Purpose Enclosure for Bulletin 592



Maximum Current [A]	A Wide	B High	C Deep	D	E	F	G
Bulletin 592							
40...60	6-13/16 (173)	10-5/8 (270)	5-23/32 (145)	8-1/4 (210)	2-3/8 (60.5)	7/32 (5.5)	5-5/16 (135)

Important User Information

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

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Rockwell Otomasyon Ticaret A.Ş., Kar Plaza İş Merkezi E Blok Kat:6 34752 İçerenköy, İstanbul, Tel: +90 (216) 5698400

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846