

E1 Plus Electronic Overload Relays

Catalog Number Explanation/Product Selection

193 – EE C B
a b c d

2

a

Bulletin Number	
Code	Description
193	IEC Three-Phase
193S	IEC Single-Phase
592	NEMA Three-Phase
592S	NEMA Single-Phase

b

Type	
Code	Description
ED1*	Fixed Trip Class 10
EE	Selectable Trip Class

* Bulletin 193 overload relays only

c

Adjustment Range [A]			
Three-Phase		Single-Phase	
Code	Description	Code	Description
A	0.1...0.5	P	1.0...5.0
B	0.2...1.0	R	3.2...16
C	1.0...5.0	S	5.4...27
D	3.2...16	T	9...45
E	5.4...27	U	18...90
F	9...45	V	60...120
G	18...90	—	—
H	30...150	—	—
J	40...200	—	—
K	60...300	—	—
L	100...500	—	—
M	120...600	—	—
N	160...800	—	—

d

Bulletin 100 Contactor Size	
Code	Description
B	C09...C23
D	C30...C43
E	C60...C85, C60...C97
F	D95...D180, D115...D180
G	D210...D420
H	D630...D860
Bulletin 500 NEMA Contactor Size	
Code	Description
T	Size 00
C	Size 0...2
D	Size 3
Panel/DIN Rail Mount	
Code	Description
P	Integrated panel mount and pass-through wiring
Z	Panel mount with external current transformers

Product Selection

Bulletin 193-ED – Three-Phase Devices

- Fixed Trip Class 10
- Manual reset
- Screw-type control terminals

Mounts to Contactor	Adjustment Range [A]	Cat. No.
100-C09...100-C23	0.1...0.5	193-ED1AB
	0.2...1.0	193-ED1BB
	1.0...5.0	193-ED1CB
	3.2...16	193-ED1DB
	5.4...27	193-ED1EB
100-C30...100-C43	5.4...27	193-ED1ED
	9...45	193-ED1FD
	1.0...5.0	193-ED1CP
Integrated panel/DIN Rail mount and pass-thru wiring	3.2...16	193-ED1DP
	5.4...27	193-ED1EP

Bulletin 193-EE – Three-Phase Devices

- Selectable Trip Class (10, 15, 20, 30)
- Selectable manual/auto-manual reset
- Screw-type control terminals

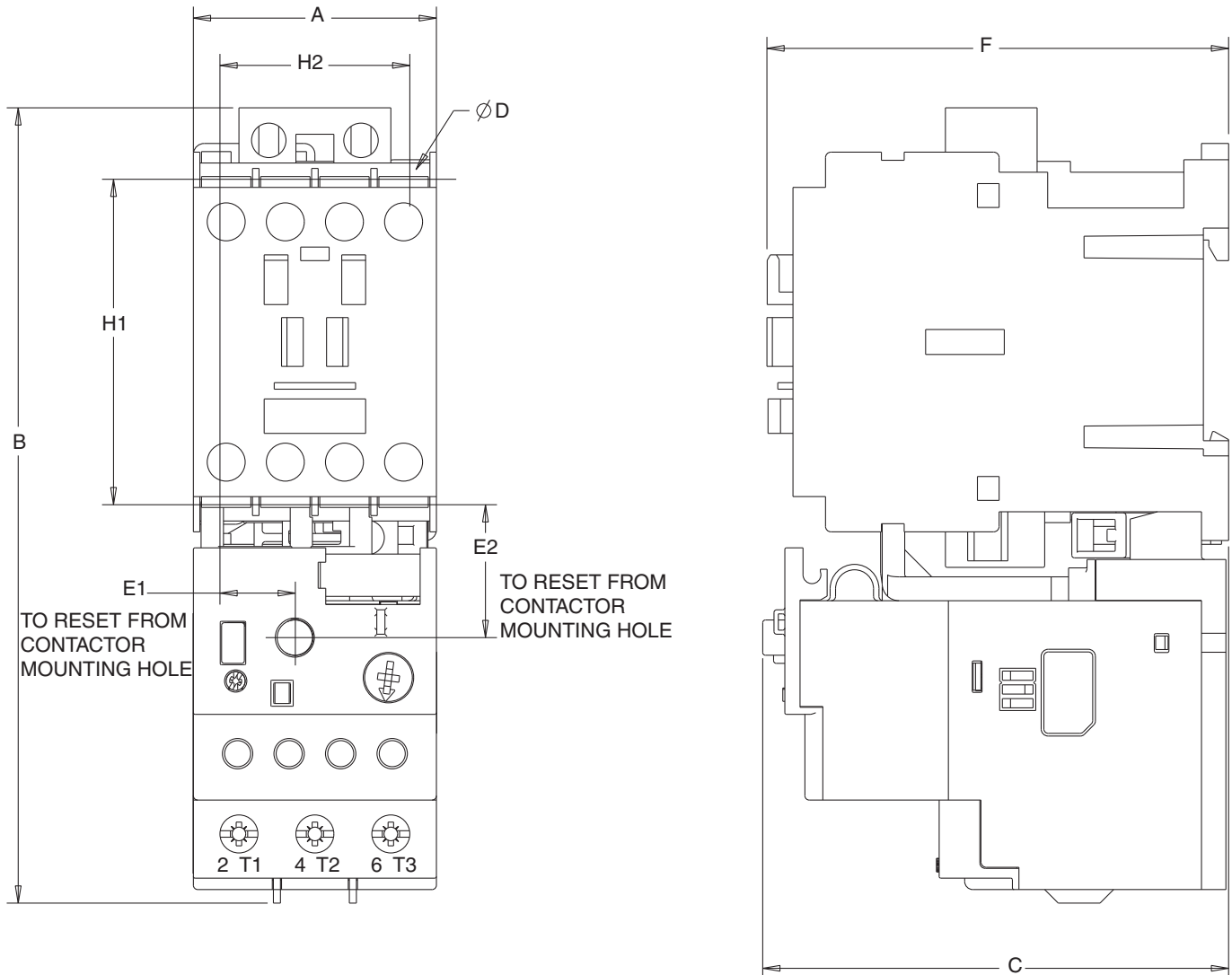
Mounts to Contactor	Adjustment Range [A]	Cat. No.
100-C09...100-C23	0.1...0.5	193-EEAB
	0.2...1.0	193-EEBB
	1.0...5.0	193-EECB
	3.2...16	193-EEDB
	5.4...27	193-EEEB
100-C30...100-C43	5.4...27	193-EEED
	9...45	193-EEFD
100-C60...100-C97	18...90	193-EEGE
	60...120	193-EEVE
100-D95...100-D180	18...90	* 193-EEGF
	30...150	* 193-EEHF
	40...200	* 193-EEJF
	60...120	* 193-EEVF
100-D210...100-D420	40...200	* 193-EEJG
	60...300	* 193-EEKG
	100...500	* 193-EELG
100-D630...100-D860	120...600	* 193-EEMH
	160...800	* 193-EENH
Integrated panel/DIN Rail mount and pass-thru wiring	1.0...5.0	193-EECP
	3.2...16	193-EEDP
	5.4...27	193-EEEP

Package Quantity = 1

* Does not include terminal lugs. See page 2-212.

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

Bulletin 100-C Contactor Mounted



Overload Cat. No.	Contactor Cat. No.	Width A	Height B	Depth C	D	E1	E2	F	H1	H2
193-ED_B 193-EE_B 193R-EE_B 193S-EE_B	100-C09, -C12, -C16, -C23	45 (1-25/32)	146.6 (5-25/32)	85.2 (3-23/64)	4.5 (3/16)	13.9 (35/64)	24.5 (31/32)	86.5 (3-13/32)	60 (2-23/64)	35 (1-3/8)
193-EE_D 193R-EE_D 193S-EE_D	100-C30, -C37	45 (1-25/32)	146.6 (5-25/32)	101.2 (3-63/64)	4.5 (3/16)	13.9 (35/64)	24.5 (31/32)	104 (4-3/32)	60 (2-23/64)	35 (1-3/8)
193-EE_D 193R-EE_D 193S-EE_D	100-C43	54 (2-1/8)	146.6 (5-25/32)	101.2 (3-63/64)	4.5 (3/16)	18.9 (3/4)	24.5 (31/32)	104 (4-3/32)	60 (2-23/64)	45 (1-25/32)
193-EE_E 193R-EE_E 193S-EE_E	100-C60, -C72, -C85	72 (2-53/64)	192.3 (7-37/64)	120.4 (4-3/4)	5.4 (7/32)	23.8 (15/16)	29 (1-9/64)	125.5 (4-15/16)	100 (3-15/16)	55 (2-11/64)