

Electronic Overload Relays 193-ED, 193-EE

Description	Mounts to Contactor	Adjustment Range [A]	Cat. No.
Three-Phase Devices 193-ED			
0.1...45 A Current Range - Fixed Trip Class 10 - Manual Reset	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...27 A Current Range - Fixed Trip Class 10 - Manual Reset	Integrated panel/DIN Rail mount and pass-thru wiring	1.0...5.0	193-ED1CP
		3.2...16	193-ED1DP
		5.4...27	193-ED1EP
Three-Phase Devices 193-EE			
0.1...800 A Current Range - Selectable Trip Class (10, 15, 20 or 30) - Selectable Manual/Auto-Manual Reset	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	5.4...27	193-EEEE
		9...45	193-EEFE
		18...90	193-EEGE
		60...120	193-EEVE
	100-D115...100-D180	60...120 *	193-EEVF
		30...150 *	193-EEHF
		40...200 *	193-EEJF
	100-D210...100-D420	40...200 *	193-EEJG
		60...300 *	193-EEKG
	100-D210...100-D420	100...500 *	193-EELG
	100-D630...100-D860	120...600 *	193-EEMH
	100-D630...100-D860	160...800 *	193-EENH
1...27 A Current Range - Selectable Trip Class (10, 15, 20 or 30) - Selectable Manual/Auto-Manual Reset	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

* Rated operating voltage IEC: 1000V AC

Description	CT Ratio	Adjustment Range [A]	Cat. No.
Three-Phase Devices 193-EE_Z for use with external CT's (193-CBCT_)			
30...800 A Current Range - Selectable Trip Class (10, 15, 20 or 30) - Selectable Manual/Auto-Manual Reset - Require one external CT per phase (not supplied) (Rating for protecting relaying, Secondary current 5 A Secondary load 0.1 VA (overload relay only) Accuracy >= 2 % over operating range) - Require the use of the panel adapter 193-EPB	150:5	30...150	193-EEHZ
	200:5	40...200	193-EEJZ
	300:5	60...300	193-EEKZ
	400:5	80...400	193-EEWZ
	500:5	100...500	193-EELZ
	600:5	120...600	193-EEMZ
	800:5	160...800	193-EENZ

Description	Mounts to Contactor	Adjustment Range [A]	Cat. No.
Single-Phase Devices 193-EE			
1...90 A Current Range - Selectable Trip Class (10, 15, 20 or 30) - Selectable Manual/Auto-Manual Reset	100-C09...100-C23	1.0...5.0	193S-EEP8
		3.2...16	193S-EER8
		5.4...27	193S-EES8
	100-C30...100-C43	9...45	193S-EETD
	100-C60...100-C97	18...90	193S-EEUE
1...27 A Current Range - Selectable Trip Class (10, 15, 20 or 30) - Selectable Manual/Auto-Manual Reset	Integrated panel/DIN Rail mount and pass-thru wiring	1.0...5.0	193S-EEPP
		3.2...16	193S-EERP
		5.4...27	193S-EESP