

Selection of Contactors and Electronic Overload Relays for installation into Enclosures 198E-AY



Motor rating Standard 3-phase motors AC-3, 400/415 V 50 Hz	Contactor	Electronic Overload Relay 3-phase application ① Manual Reset Trip Class 10	Adjustment Range	Recommended back-up fuse	Auxiliary Contact Block ②
[kW]	Cat. No.	N.O. N.C. ③	Cat. No.	[A]	[A] ④
0.02...0.06	100-C09 ⊗01	0 1	193-EA1AB	0.1...0.32	2
	100-C09 ⊗10	1 0			100-SD10
0.09	100-C09 ⊗01	0 1	193-EA1CB	0.32...1.0	2
	100-C09 ⊗10	1 0			100-SD10
0.12	100-C09 ⊗01	0 1	193-EA1CB	0.32...1.0	3
	100-C09 ⊗10	1 0			100-SD10
0.18... 0.25	100-C09 ⊗01	0 1	193-EA1CB	0.32...1.0	4
	100-C09 ⊗10	1 0			100-SD10
0.37	100-C09 ⊗01	0 1	193-EA1DB	1.0...2.9	4
	100-C09 ⊗10	1 0			100-SD10
0.55... 0.75	100-C09 ⊗01	0 1	193-EA1DB	1.0...2.9	6
	100-C09 ⊗10	1 0			100-SD10
1.1...1.5	100-C09 ⊗01	0 1	193-EA1EB	1.0...2.9	10
	100-C09 ⊗10	1 0			100-SD10
2.2	100-C09 ⊗01	0 1	193-EA1FB	3.7...12	16
	100-C09 ⊗10	1 0			100-SD10
3	100-C09 ⊗01	0 1	193-EA1FB	3.7...12	20/16
	100-C09 ⊗10	1 0			100-SD10
4	100-C09 ⊗01	0 1	193-EA1FB	3.7...12	25
	100-C09 ⊗10	1 0			100-SD10
5.5	100-C12 ⊗01	0 1	193-EA1FB	3.7...12	32
	100-C12 ⊗10	1 0			100-SD10
7.5	100-C16 ⊗01	0 1	193-EA1GB	12...32	40
	100-C16 ⊗10	1 0			100-SD10
11	100-C23 ⊗01	0 1	193-EA1GB	12...32	63/50
	100-C23 ⊗10	1 0			100-SD10
15	100-C30 ⊗00	0 0	193-EA1HC	12...37	80
	100-C30 ⊗00	0 0			100-SD10
18.5	100-C37 ⊗00	0 0	193-EA1HC	12...37	80
	100-C37 ⊗00	0 0			100-SD10

- ① Also available for 1-phase application or with Trip Class 20 or with Automatic/Manual Reset
- ② Necessary for starters with Start/Stop Button; (impulse contact)
- ③ Possibility to add 1 additional Auxiliary Contact Block for Side Mounting
- ④ The published fuse sizes are to be considered as guidelines for the smallest size of short-circuit protective fuses for 1500 r.p.m. motors.

⊗ Voltage Suffix Codes

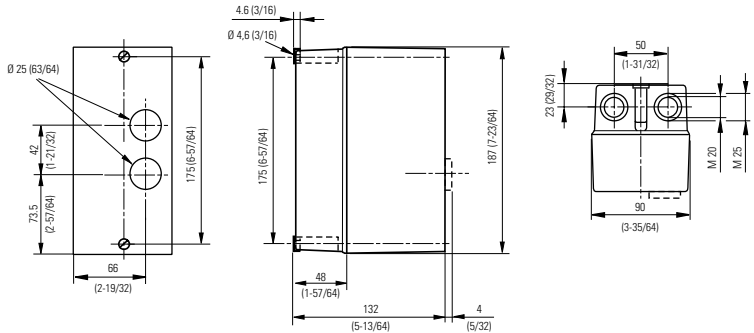
Tension [V]	24	48	110	230	400
50 / 60 Hz	KJ	KY	KD	KF	KN

Enclosure is not usable for DC Contactors

Accessories

Indicator Light IP 54

				Cat. No.
• Mounting in cover of enclosure	red	120 V	140-LR120	
		240 V	140-LR240	
		400 V	140-LR400	
• 180 mm connection cable	green	120 V	140-LG120	
		240 V	140-LG240	
		400 V	140-LG400	
• Lamp included	white	120 V	140-LW120	
		240 V	140-LW240	
		400 V	140-LW400	



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Rockwell Automation

Enclosures 198E

Push for Cost Effective Motor Starting



Suitable for direct-on-line (DOL) motor starting up to 37 A (18.5 kW) for the use in:

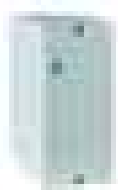
- Material handling
- Single drive OEM machinery
- Conveyor systems
- Fans, Refrigeration, etc.

Compact enclosures suitable for fitting the Contactors and Electronic Overload Relays of the MCS Family of Components which incorporate:

- Adjustable thermal release
- Ambient temperature compensation
- Low energy consumption
- Phase loss protection
- Trip class 10, 20 or 30
- Large current range

Wherever a motor has to be reliably started and efficiently protected – with the high IP 66 – the Enclosures 198E-AY are first choice.

- Many configurations available make it easy to select the optimal enclosure
- Shock-resistant, compact design, made of high-grade ABS, colour RAL 7035, light-gray
- Simple and time-saving planning and installation
- For single phase and triple phase applications
- Cable access from top and bottom
- Built-in earth and neutral wire terminal
- IP66 with metric cable entry gland M 20 or M 25



With Flush Start & Extended Stop/Reset Buttons

Rated operational current	White / Black buttons	Green / Red buttons
AC-3, 400 V	Cat. No.	Cat. No.
0.1 ... 23 [A]	198E-AYMU5	198E-AYMU4
23 ... 37 [A]	198E-AYNU5	198E-AYNU4

Rated operational current	For universal fitting	With Blue Reset Button
AC-3, 400 V	Cat. No.	Cat. No.
0.1 ... 37 [A]	198E-AYMN2	–
0.1 ... 23 [A]	–	198E-AYMU1
23 ... 37 [A]	–	198E-AYNU1

Rated operational current	White / Black Buttons	Green / Red Buttons
AC-3, 400 V	Cat. No.	Cat. No.
0.1 ... 23 [A]	198E-AYMU3	198E-AYMU2
23 ... 37 [A]	198E-AYNU3	198E-AYNU2