

Bulletin 198E Plastic Enclosures

For Direct-On-Line and Reversing IEC Starters

Advantages

- Ingress protection against dust, dirt and humidity
- IP66 and UL4, 4X and 12K
- Two types available:
 - High-grade acrylonitrile butadiene styrene (ABS) for indoor use
 - Heavy-duty polycarbonate (PC) for harsh indoor or outdoor environmental
- Knockouts for 20mm and 25mm-metric cable glands
- Sealable cover screws
- Non-corrosive parts
- Easy to access terminals and molded connection kits
- Reduces installation time and complexity
- Standards Compliance
 - EN/IEC 62208
 - UL 50
 - UL 508
 - CSA 22.2, No. 14
- Approvals
 - CE Marked
 - cULus Listed



The Allen-Bradley Bulletin 198E Plastic Starter Enclosures save installation time and expand flexibility with its many available configurations.

The Bulletin 198E Enclosures are for indoor or outdoor use and are ideal for material handling, single drive OEM machinery, conveyor systems fans and refrigeration applications.

Available in two sizes, these enclosures provide a compact, cost effective option to help reduce machine space and expand product flexibility.

The smaller models may be used for:

- Direct-On-Line (DOL) Starters with Bulletin 193-E1 Plus Electronic Overload Relays and the Bulletin 100-C09...C23 Contactors

The larger enclosures use Bulletin 800F Base-Mount Contact Blocks and Operators that provide control ranges from impulse control with multi-function push button to maintained control with (key) selector switch.

The larger units may be used for:

- DOL Starters with Bulletins 193-E1 Plus Electronic Overload Relays and the Bulletin 100-C30...C43 Contactors
- Reversing Starters with Bulletin 193-E1 Plus Electronic Overload relays and Bulletin 100-C09...C23 Contactors
- DOL or Reversing Starters with Bulletin 140M-C Motor Protection Circuit Breakers and the Bulletin 100-C09...C16 Contactors

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Enclosures for DOL Starters, for use with 100-C09...C23

Product Selection



| Description | Material | For Use With | Pkg. Qty. | Cat. No. |
|--|----------|---------------------------------|-----------|-----------|
| Plastic Enclosures for DOL Starters Protection class IP66 (EN/IEC only) | | | | |
| With blue RESET push button | ABS V-0 | 100-C09...C23 + 193-ED, -EE, | 1 | 198E-A0S1 |
| With green START and raised red STOP/RESET push buttons, START contact kit included. | | | | 198E-A0S4 |
| Plastic Enclosures for DOL Starters Protection class IP66 UL Type 4/4X/12 Outdoor | | | | |
| With blue RESET push button | PC V-0 | 100-C09...C23 + 193-ED, -EE, | 1 | 198E-C0S1 |
| With green START and raised red STOP/RESET push buttons, START contact kit included. | | | | 198E-C0S4 |

Accessories



| Description | For Use With | Pkg. Qty. | Cat. No. |
|---|-------------------------|-----------|----------|
| Pushbutton Latch For maintained contact control, enclosures with START/STOP push buttons. | 198E-A0S4, 198E-C0S4 | 1 | 198E-PLA |
| Neutral Terminal | 198E-A..., 198E-C... | 1 | 198E-PNT |
| START Contact Kit Included in the enclosure, as spare part only. | 198E-A0S4, 198E-C0S4 | 1 | 198E-PCK |

| Pilot Light Devices – LED Lens & LED Color | Pkg. Quantity | Voltage | | |
|---|---------------|------------|------------|------------|
| | | 24V AC/DC | 120V AC | 240V AC |
| | | Cat. No. | Cat. No. | Cat. No. |
| Red | 1 | 800FD-P3N3 | 800FD-P3N5 | 800FD-P3N7 |
| Green | | 800FD-P4N3 | 800FD-P4N5 | 800FD-P4N7 |
| Yellow | | 800FD-P5N3 | 800FD-P5N5 | 800FD-P5N7 |

Specifications

| | |
|---|--|
| Max. rated current (In max.) = Max. rated operational current (Ie) with Cat. No. 193-ED1/193-EE overload relays | 25.0 A |
| Rated insulation voltage Ui (pollution degree 3) | 690V |
| Dielectric strength | 3750V r.m.s. |
| Ambient air temperature • with electronic overload relay • storage | max. +40 °C (104 °F), average over 24h = 40 °C (104 °F) lower limit -20 °C (-4 °F) -55...+60 °C (-67...+140 °F) |
| Atmospheric conditions | 95% relative humidity at max. +40 °C (104 °F) |
| Installation altitude | <2000 m (6561 ft) above sea level |
| Degree of protection according to IEC 60947-1 • against external mechanical impacts | IP66 IK07 |
| Degree of protection according to UL50 | 4/4X/12K |
| Mechanical lifetime with Start/Stop push buttons, Start/Stop operations | >100 000 |

Enclosure for DOL Starters with Electronic Overload Relay, for use with Cat. No. 100-C30...C43.

Installation of 193-E* extension modules possible. Operating units and starter components sold separately. To order components to field assemble these enclosures, order Cat. No. of the enclosure with cutouts, and the individual components for the desired control method.



| Description | For Use With | Pkg. Qty. | Cat. No. |
|---|------------------------------------|-----------|--------------|
| Enclosure with Cutouts for Start - Stop and Reset Operators Neutral, Ground (PE) terminal and socket for contact blocks included. | 100-C30...C43 + 193-ED, 193-EE, | 1 | 198E-C2S4 |
| Control Components required for Impulse Control | | | |
| Auxiliary Contact Block, 1 N.O. | 198E-C2S4 | 1 | 100-SB10 |
| Multi-Function Push Button Operator, 2 Functions, Markings I-O | | 1 | 800FP-U2EFFE |
| Base-mount Contact Block, 1 N.C. | | 1 | 800F-BX01 |
| Base-mount Contact Block, 1 N.O. | | 1 | 800F-BX10 |
| Reset Push Button Operator, Marking "R" | | 1 | 800FP-F611 |
| Control Components required for Maintained Control | | | |
| 2-Position Selector Switch Operator | 198E-C2S4 | 1 | 800FP-SM22 |
| Base-mount Contact Block, 1 N.O. | | 1 | 800F-BX10 |
| Reset Push Button Operator, Marking "R" | | 1 | 800FP-F611 |

Enclosure for Reversing Starters with Electronic Overload Relay for use with Cat. No. 100-C09...C23.

Also suitable for DOL Starters. Installation of 193-E* extension modules possible. Operating units and starter components sold separately.



| Description | For Use With | Pkg. Qty. | Cat. No. |
|--|-----------------------------------|-----------|-----------------------------|
| Enclosure with Cutouts for Start - Stop and Reset Operators Ground (PE) terminal and socket for Contact Blocks included. | 100-C09...C23 + 193-ED, 193-EE | 1 | 198E-C0S4R |
| Control Components required for Impulse Control | | | |
| Multi-Function Push Button Operator, 3 Functions, without Markings | 198E-C0S4R | 1 | 800FP-U3F3F34 ¹⁾ |
| Base-mount Contact Block, 1 N.C. | | 1 | 800F-BX01 |
| Base-mount Contact Block, 1 N.O. | | 2 | 800F-BX10 |
| Reset Push Button Operator, Marking "R" | | 1 | 800FP-F611 |
| Control Components required for Maintained Control | | | |
| Selector Switch Operator, 3-Position | 198E-C0S4R | 1 | 800FP-SM32 |
| Base-mount Contact Block, 1 N.O. | | 2 | 800F-BX10 |
| Reset Push Button Operator, Marking "R" | | 1 | 800FP-F611 |

Enclosure for DOL or Reversing Starter with Motor Protection Circuit Breaker, for use with Cat. No. 100-C09...C16.

Operating units and starter components sold separately.



| Description | For Use With | Pkg. Qty. | Cat. No. |
|---|---------------------------------|-----------|-----------------------------|
| Enclosure with Cutouts for Start - Stop and Circuit Breaker Operating Handle Ground (PE) terminal and socket for contact blocks included. | 100-C09...C16 + 193-ED, -EE, | 1 | 198E-C0C4R* |
| Control Components required for Impulse Control | | | |
| Multi-Function Push Button Operator, 3 Functions, without Markings | 198E-C0C4R | 1 | 800FP-U3F3F34 ¹⁾ |
| Base-mount Contact Block, 1 N.C. | | 1 | 800F-BX01 |
| Base-mount Contact Block, 1 N.O. | | 2 | 800F-BX10 |
| Operating Handle red/yellow | | 1 | 140M-C-DRY4 ²⁾ |
| Control Components required for Maintained Control | | | |
| Selector Switch Operator 2 Positions | 198E-C0C4R | 1 | 800FP-SM22 |
| Base-mount Contact Block, 1 N.O. | | 1 | 800F-BX10 |
| Operating Handle red/yellow | | 1 | 140M-C-DRY4 |
| Additional Components required for Reversing Starters | | | |
| Reversing Power Wiring Kit | 198E-C0C4R | 1 | 105-PW23 |
| Mechanical/electrical interlock with 2 N.C. auxiliary contacts | 198E-C0S4R | 1 | 100-MCA02 |
| Neutral Terminal | 198E Starter Enclosures | 1 | 198E-PNT |

1) For button caps with text or symbols order the operator without caps, cat. No. 800FP-U3X. Caps to order separately.

2) Operating handle gray/black alternately, Cat. No. 140M-C-DN4.

*Not available for sale at this time.

