

Non-Combination Box 1

Enclosed control



Simplified enclosure for a wide range of contactors and starters



The redesigned Non-Combination Box 1 simplifies Eaton's enclosed control portfolio by incorporating NEMA® starters size 00–2, IEC starters up to 32 A, DP starters up to 45 A and Lighting contactors up 60 A / 4-pole into one enclosure size. Using modular M22 pushbuttons, Box 1 provides widest field-installable cover control offering in the market. With the inclusion of Eaton's C440 advanced solid-state electronic overload relay, the new Box 1 is perfect for any small-load, Type 1 enclosed control application.

Features

- Reversing and non-reversing contactors and starters
- C440 solid-state electronic overload relay providing reliable, accurate and value-driven protection, including communication capabilities
- Pre-wired cover control kits for easy field installation
- M22 pushbuttons that include true selector switches and LED pilot lights

Product range

- NEMA
- Contactors size 00–2
- Starters with electronic solid-state overload relays size 00–2
- Starters with bimetallic thermal overload relays size 00–1
- IEC
- Contactors frame size B–C, 7–32 A
- Starters with electronic solid-state and bimetallic thermal overload relays frame size B–C, 7–32 A
- Lighting contactors 10–60 A, 2–4 pole
- DP starters 15–45 A
- 28 cover control kit options

Benefits

- Maximizes distributor shelf space by reducing number of empty enclosures needed
- Eliminates the need to oversize the enclosure when using the C440 solid-state electronic overload relay
- **XT**, NEMA, Lighting, DP now in one compact box



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Quick selector guide

For the full Box 1 and enclosed control offering, see Eaton's catalog Volume 10: Enclosed Control, CA08100012E Tabs 1–4.

NEMA offering

Non-reversing starter description	Catalog number
Size 0, NEMA Type 1, no cover control, solid-state overload relay, 1–5 FLA	ECN0501AAA-R63/B
Size 0, NEMA Type 1, no cover control, solid-state overload relay, 4–20 FLA	ECN0501AAA-R63/C
Size 1, NEMA Type 1, no cover control, solid-state overload, 4–20 FLA	ECN0511AAA-R63/C
Size 2, NEMA Type 1, no cover control, solid-state overload, 9–45 FLA	ECN0521AAA-R63/D
Size 0, NEMA Type 1, no cover control, bimetallic overload	ECN0501AAA
Size 1, NEMA Type 1, no cover control, bimetallic overload	ECN0511AAA
Size 0, NEMA Type 1, HOA cover control, solid-state overload, 1–5 FLA	ECN0501AHA-R63/B
Size 1, NEMA Type 1, HOA cover control, solid-state overload, 4–20 FLA	ECN0511AHA-R63/C

IEC offering

Non-reversing starter description	Catalog number
12 A, 120 Vac coil, no cover control, solid-state overload, 4–20 FLA	ECX09D1AAA-R63/C
32 A, 120 Vac coil, no cover control, solid-state overload, 4–20 FLA	ECX09H1AAA-R63/C
25 A, 120 Vac coil, no cover control, solid-state overload, 4–20 FLA	ECX09G1AAA-R63/C

Lighting offering

Contactor description	Catalog number
Electrically held CN35, 20 A, NEMA Type 1, 2-pole	ECL03B1A2A
Electrically held CN35, 30 A, NEMA Type 1, 2-pole	ECL03C1A2A
Electrically held CN35, 20 A, NEMA Type 1, 3-pole	ECL03B1A3A
Electrically held CN35, 30 A, NEMA Type 1, 3-pole	ECL03C1A3A
Electrically held CN35, 20 A, NEMA Type 1, 4-pole	ECL03B1A4A

Cover control kit offering

Cover control kits are pre-wired harnesses with bracket and are UL approved for field installation and feature M22 pushbuttons, including true selector switches.

Cover control kit description	Prior catalog number ¹	New catalog number
Cover control kit with HOA switch	C400GK3	C600M12
Cover control kit with start/stop pushbuttons	C400GK1	C600M1
Cover control kit with HOA switch and red run pilot light	C400GK32A	C600M121A
Cover control kit with HOA switch and red run, green off pilot lights	C400GK36A	C600M122A
Cover control kit with start/stop pushbuttons with red run pilot light	C400GK12A	C600M101A
Cover control kit with start/stop pushbuttons and red run, green off pilot lights	C400GK16A	C600M102A
Cover control kit with red run pilot light	C400GK42A	C600M9A

¹ Still available for Box 2 and larger.

Empty enclosure offering

There is a universal empty enclosure regardless of the starter or the contactor needed. The only difference is the length of the easily interchangeable reset rod. The reset rod kit provides everything needed to install the correct reset rod, including all the reset rod lengths, a protective shroud, a paddle and a reset button.

Empty enclosure part description	Catalog number
Empty enclosure	C899B001
Reset rod kit	RESET001

The table below shows which reset rod is used with each starter or contactor.

Starter or contactor size	Reset rod length (inches)
Lighting contactors	NO RESET
NEMA size 00–2, SSOL	0.43
IEC frame size B–C, SSOL	0.74
IEC frame size C, bimetallic	1.30
A27/B27 DP 40, 45 A	1.37
A27/B27 DP, 15–30 A	1.56
NEMA size 00–1, bimetallic	1.68
A25/B25 DP, 25–30 A	1.68
IEC frame size B, bimetallic	1.74

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Publication No. PA123002EN / Z16764
June 2015

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