

Non-Combination Box 1 and Box 2

Enclosed control



Simplified enclosure offering for a wide range of contactors and starters



Box 1



Box 2

The redesigned Non-Combination Box 1 and Box 2 simplify Eaton's enclosed control portfolio by incorporating NEMA® contactors and starters size 00–2, IEC contactors and starters up to 65 A, C30CN lighting contactors up to 12-pole, CN35 lighting contactors up to 6-pole, A202 lighting contactors up to 5-pole into two enclosure sizes and DP starters up to 50 A. Using interchangeable M22 modular pushbuttons, Box 1 and Box 2 provide the widest field-installable cover control offering in the market. The inclusion of control power transformers to the new Box 2 make Box 1 and Box 2 perfect for any small load, Type 1 enclosed control application.

Features

- Reversing and non-reversing contactors and starters
- Pre-wired cover control kits for easy field installation
- M22 pushbuttons that include true selector switches and LED pilot lights
- 28 cover control kit options
- Control power transformer available on Box 2

Benefits

- Maximizes distributor shelf space by reducing the number of empty enclosures and cover control kits needed
- Cover control kits can be used interchangeably between Box 1 and Box 2
- NEMA, XT, Lighting and DP in two compact boxes

Box 1 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: CN35 10–60 A, 2–4 pole
- DP starters: 15–45 A

Box 2 product range

- NEMA
 - Contactors size 00–2
 - Starters with electronic solid-state overload relays size 00–2
 - Starters with bimetallic thermal overload relays size 00–2
- IEC
 - Contactors frame size D, 50–65 A
 - Starters with electronic solid-state and bimetallic thermal overload relays size B–D, 7–65 A
- Lighting contactors: C30CN 30 A, 1–12 pole
CN35 10–60 A, 2–6 pole
A202 30–60 A, 2–5 pole
- DP starters 40–50 A

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Standards



Quick selector guide

For the full Box 1 and Box 2 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, Type 1 Box 1, no cover control, solid-state overload relay, 1–5 FLA	ECN0501AAA-R63/B
Size 0, Type 1 Box 1, no cover control, solid-state overload relay, 4–20 FLA	ECN0501AAA-R63/C
Size 1, Type 1 Box 1, no cover control, solid-state overload, 4–20 FLA	ECN0511AAA-R63/C
Size 2, Type 1 Box 1, no cover control, solid-state overload, 9–45 FLA	ECN0521AAA-R63/D
Size 0, Type 1 Box 2, no cover control, solid-state overload relay, 1–5 FLA, CPT	ECN0701AAA-R63/B
Size 0, Type 1 Box 2, no cover control, solid-state overload relay, 4–20 FLA, CPT	ECN0701AAA-R63/C
Size 1, Type 1 Box 2, no cover control, solid-state overload, 4–20 FLA, CPT	ECN0711AAA-R63/C
Size 2, Type 1 Box 2, no cover control, solid-state overload, 9–45 FLA, CPT	ECN0721AAA-R63/D
Size 0, Type 1 Box 1, no cover control, bimetallic overload	ECN0501AAA
Size 1, Type 1 Box 1, no cover control, bimetallic overload	ECN0511AAA
Size 2, Type 1 Box 1, no cover control, bimetallic overload	ECN0521AAA
Size 0, Type 1 Box 2, no cover control, bimetallic overload, CPT	ECN0701CAA
Size 1, Type 1 Box 2, no cover control, bimetallic overload, CPT	ECN0711CAA
Size 2, Type 1 Box 2, no cover control, bimetallic overload, CPT	ECN0721CAA

IEC offering

Non-reversing starter description	Catalog number
12 A, 120 Vac coil, Type 1 Box 1, no cover control, solid-state overload, 4–20 FLA	ECX09D1AAA-R63/C
32 A, 120 Vac coil, Type 1 Box 1, no cover control, solid-state overload, 9–45 FLA	ECX09H1AAA-R63/D
32 A, 120 Vac coil, CPT, Type 2 Box 2, no cover control, solid-state overload, 9–45 FLA	ECX11H1CAA-R63/D

Lighting offering

Contactors description	Catalog number
Electrically held C30CN, 30 A, Type 1 Box 2, 4-pole	ECC03C1A4A
Electrically held C30CN, 30 A, Type 1 Box 2, 8-pole	ECC03C1A8A
Mechanically held C30CN, 30 A, Type 1 Box 2, 4-pole	ECC04C1A4A
Electrically held CN35, 20 A, Type 1 Box 1, 4-pole	ECL03B1A4A
Electrically held CN35, 30 A, Type 1 Box 1, 4-pole	ECL03C1A4A
Mechanically held A202, 30 A, Type 1 Box 2, 4-pole	ECL04C1A4A

Cover control kit offering

Cover control kits are pre-wired harnesses with bracket and are UL approved for field installation.

Cover control kit description	Prior catalog number	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

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 Box 1 enclosure	C899B001
Empty Box 2 enclosure	C899B2001
Reset rod kit	RESET001

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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–D, SSOL	0.74
IEC frame size C, bimetallic	1.30
A27/B27 DP 40, 45 A	1.37
IEC frame size D, bimetallic	1.45
A27/B27 DP 15–30 A	1.56
NEMA size 00–2, bimetallic A25/B25 DP, 25–50 A	1.68
IEC frame size B, bimetallic	1.74



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