

Renewal Parts

Overload Relays

4

Motor Full Load Amperes	Suffix Code	For use with Contactor Ampere Range	Overload Relay Catalog Number
Frame C			
0.1–0.16	P16	15–25	XTOBP16CC1DP
0.16–0.24	P24	15–25	XTOBP24CC1DP
0.24–0.4	P40	15–25	XTOBP40CC1DP
0.4–0.6	P60	15–25	XTOBP60CC1DP
0.6–1	001	15–25	XTOB001CC1DP
1–1.6	1P6	15–25	XTOB1P6CC1DP
1.6–2.4	2P4	15–25	XTOB2P4CC1DP
2.4–4	004	15–25	XTOB004CC1DP
4–6	006	15–25	XTOB006CC1DP
6–10	010	15–25	XTOB010CC1DP
10–16	016	15–25	XTOB016CC1DP
16–24	024	15–25	XTOB024CC1DP
24–32	032	15–25	XTOB032CC1DP
Frame D			
6–10	010	30–45	XTOB010DC1DP
10–16	016	30–45	XTOB016DC1DP
16–24	024	30–45	XTOB024DC1DP
24–40	040	30–45	XTOB040DC1DP
40–57	057	30–45	XTOB057DC1DP

Technical Data and Specifications

Terminal Wire Sizes

Line Side (Contactor) ①	Wire Range—Solid or Stranded	
	Power Terminals	Coil Terminals
Screw/pressure plate	8–14 AWG	12–16 AWG
Box lug: 15–45 A	4–14 AWG	12–16 AWG

Note

① Line side (contactor) torque ratings can be found on **Page V5-T4-13**.

Power Terminals—Load—Cu Only (Stranded or Solid)

Terminal	Range	Torque Rating
15 and 25 A	14–8 AWG	16 lb-in (14–8 AWG)
30, 40 and 45 A	14–2 AWG	31 lb-in (14–2 AWG)

Control Terminals—Cu Only

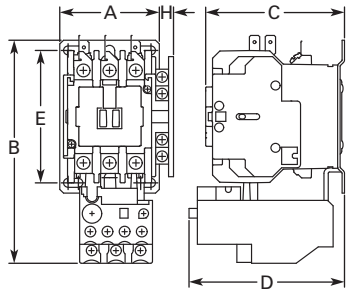
12–16 AWG stranded, 12–14 AWG solid

Dimensions

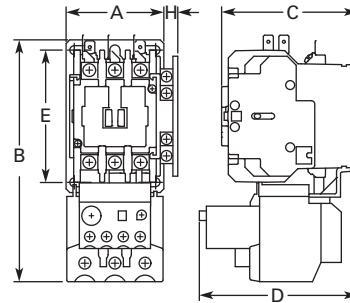
Approximate Dimensions in Inches (mm)

A27 and B27 Starters—Open Type

15 and 25 Ampere



30, 40 and 45 Ampere



Dimensions and Shipping Weights

Ampere Size	Wide A	High B	Deep C	Deep D	Mounting E	Mounting G	Auxiliary Contact Adder H	Shipping Weight Lb (kg)
15 and 25 (metal plate)	2.40 (61.0)	5.50 (139.0)	3.35 (85.0)	3.70 (94.0)	3.13 (82.6)	—	0.54 (13.7)	1.6 (0.7)
15 and 25 (DIN rail mount)	2.23 (56.5)	5.20 (133.0)	3.35 (85.0)	3.70 (94.0)	—	—	0.54 (13.7)	1.6 (0.7)
30, 40 and 45 (metal plate)	2.40 (61.0)	6.00 (152.0)	3.35 (85.0)	3.90 (98.0)	3.13 (82.6)	—	0.54 (13.7)	1.11 (0.9)
30, 40 and 45 (DIN rail mount)	2.23 (56.5)	5.70 (145.0)	3.35 (85.0)	3.90 (98.0)	—	—	0.54 (13.7)	1.11 (0.9)

15–45 A, Single- and Three-Phase—A27, B27



Contents

Description	Page
25–60 A, Single- and Three-Phase—A25, B25	V5-T4-24
15–45 A, Single- and Three-Phase—A27, B27	
Catalog Number Selection	V5-T4-32
Product Selection	V5-T4-32
Renewal Parts	V5-T4-34
Technical Data and Specifications	V5-T4-34
Trip Curve	V5-T4-38
Wiring Diagrams	V5-T4-38
Dimensions	V5-T4-39
15–75 A, Single- and Three-Phase—A30 and C440 Electronic Overload Relay	V5-T4-40

15–45 A, Single- and Three-Phase—A27, B27

Product Description

A27 and B27 Definite Purpose Starters from Eaton’s Electrical Sector combine the features and flexibility of the C25 Definite Purpose Contactors and **XT** Series Bi-metallic Ambient Compensated Overload Relays.

Features and Benefits

- Selectable manual or automatic reset operation
- Class 10 trip class
- Bimetallic, ambient compensated operated. Trip free mechanism
- Electrically isolated NO-NC contacts (pull TEST button to test)
- Shrouded or fingerproof terminals to reduce possibility of electrical shock
- Single-phase sensitivity

Standards and Certifications

- UL Recognized Components UL File #E-1491, Guide NLDX2
- Compliance to UL 60947-4-1 and CSA C22.2 No. 60947-4-1-14, Low-Voltage Switchgear and Controlgear—Part 4-1: Contactors and motor-starters—Electromechanical contactors and motor-starters
- 15–50 A Standard DP: The UL Certificate of Conformance Number is = 20190222-E1491

