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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWING	19AUG2019	VM	TN

Ordering Information

Sample Part Number ▶

Type: \_\_\_\_\_

Control Voltage (± 15%) \_\_\_\_\_

Trip Adjustment Range \_\_\_\_\_

Other Options \_\_\_\_\_

WCT3 -48DC -5 A

WC3 = Per Time Curves

WCT3 = Adjustable Time Delay

26 DC

48 DC

125 DC

120 AC

230 AC

380 AC

460 AC

1 = .2 amp - 1 amp

5 = 1 amp to 5 amp

10 = 2 amp to 10 amp

A = Two normally open contacts

B = Two normally closed contacts

Product Specifications

Line Current — Three Phase, AC current, 50-400 Hz Direct or from CT

Control Voltage — See Ordering Information

Trip Point — Screwdriver adjustable. Adjustment range in accordance with ordering information.

Pick-Up to Drop-Out Differential — Approximately 0.1 amp

Overcurrent Allowance — Maximum of 500% for 0.25 seconds

Surge Withstand Capability — In compliance with the requirements of ANSI/IEEE

Operating Temperature — -40°C to +70°C

Temperature Drift — ± 0.05%/°C

Burden — Current input — 1.2 VA, Control voltage — 2.5 VA

Contact Ratings — One set, N.O., One set N.C. 5 amp resistive at 120 VAC or 28VDC

WILMAR OVERCURRENT RELAY

MODEL WCT3

230V

CH Technologies

1 2 3 4 5 6

7 8 9 10 11 12

TERMINAL STRIPS #6 - 32 SCREWS

3.0

4 1/8 4 0 4 1/2

3 1/8 4 1/2

1/16" DIA. 4 MTG. HOLES

Note: Dimensions in inches. Multiply values by 25.4 for dimensions in mm.

A

B

C

1

2

3

4

5

6

7

8

9

10

11

12

CONTROL VOLTAGE

Time Delay

Standard Time Delay (WC3 Series) — A fixed inverse time delay is incorporated in all overcurrent relays and is represented by the typical curves shown.

Adjustable Time Delay (WCT3 Series) — The time delay is field adjustable. The standard time delay can be increased by any value between 0.5 and 20 seconds.

Typical Curves (WC3 Series)

8

6

4

2

0

0

0.1

0.2

0.3

0.4

Current (amps)

Pick-Up Time Delay

Notes:

1. Remove black screws for access to the current pick-up and the time delay adjustment.

2. Clockwise rotation of the pick-up adjustment will raise the current trip point.

3. Clockwise rotation of the time delay adjustment, (Type WCT3 only) will increase the time delay.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

DWN VM 19AUG2019

CHK RV 19AUG2019

APVD TN 19AUG2019

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE

TE Connectivity

NAME WC3-SERIES

SIZE A3

CAGE CODE

DRAWING NO C-WC3-SERIES

RESTRICTED TO

SCALE NTS

SHEET 1 OF 1

REV A

1470-19 (1/15)