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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED FOR PRODUCTION	10FEB2023	DM	CB
	AI	ADDING PRODUCT DATA	07MAR2023	DM	CB

LABELS

20.0

Ø8.0

235.0±5.0

205.9±5.0

4.0

300.0±5.0

CONNECTION BUSBAR
20mm x 4mm

109.9±5.0

NOMINAL OPERATING VOLTAGE (VAC)	3x 380 to 480
RATED OPERATING VOLTAGE (VAC)	3x 340 to 530
FREQUENCY (Hz)	50 / 60
RATED CURRENT (AMPS)	100.00
OP. TEMP. RANGE @ RATED CURRENT	-45°C to +45°C
RATED POWER @ 400VAC (kW)	62.35
RATED POWER @ 400VAC (HP)	83.58
IMPEDANCE @ 400VAC (%)	4
INDUCTANCE, NOMINAL (mH)	0.290
POWER OVERLOAD, 1 MINUTE EVERY HOUR	1.6
VOLTAGE WITHSTAND 1 MINUTE (kVAC)	2
POLLUTION DEGREE	PD2
COOLING	NATURAL
PROTECTION CLASS	IP00
INSULATION CLASS	N
STORAGE TEMPERATURE RANGE (°C)	-45°C to +100°C
CLIMATIC CATEGORY	45/100/21
DESIGN CORRESPONDING TO	EN61558-2-20, EN60076-6, UL61800-5-1

SAFETY ORGANIZATIONS

UL RECOGNIZED AS PER UL 508 HARDWARE CERTIFICATION

DE-RATING FORMULAE FOR OPERATION ABOVE 45°C AMBIENT CONDITIONS:

$$I = I_n \sqrt{\frac{100 - T_{a\ new}}{100 - 45}}$$

TYPICAL CIRCUIT DIAGRAM

LINE

LOAD

L1 ○ — [] — ○ L1'

L2 ○ — [] — ○ L2'

L3 ○ — [] — ○ L3'

PE ○ — []


10.0

80.9±2.0

6.0

250.0±0.5

ROHS COMPLIANT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. BOLLE 07OCT2022	 TE Connectivity	
DIMENSIONS: mm		CHK C. BOLLE 07OCT2022		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD L. RAJ 07OCT2022	NAME RPO-3-100 THREE LINE REACTOR	
0 PLC ±- 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±-		PRODUCT SPEC -	RESTRICTED TO -	
MATERIAL -		FINISH -	APPLICATION SPEC -	SIZE A3
		WEIGHT -	CAGE CODE 00779	DRAWING NO C-3-2432409-3
		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 1
				REV AI

1470-19 (3/13)