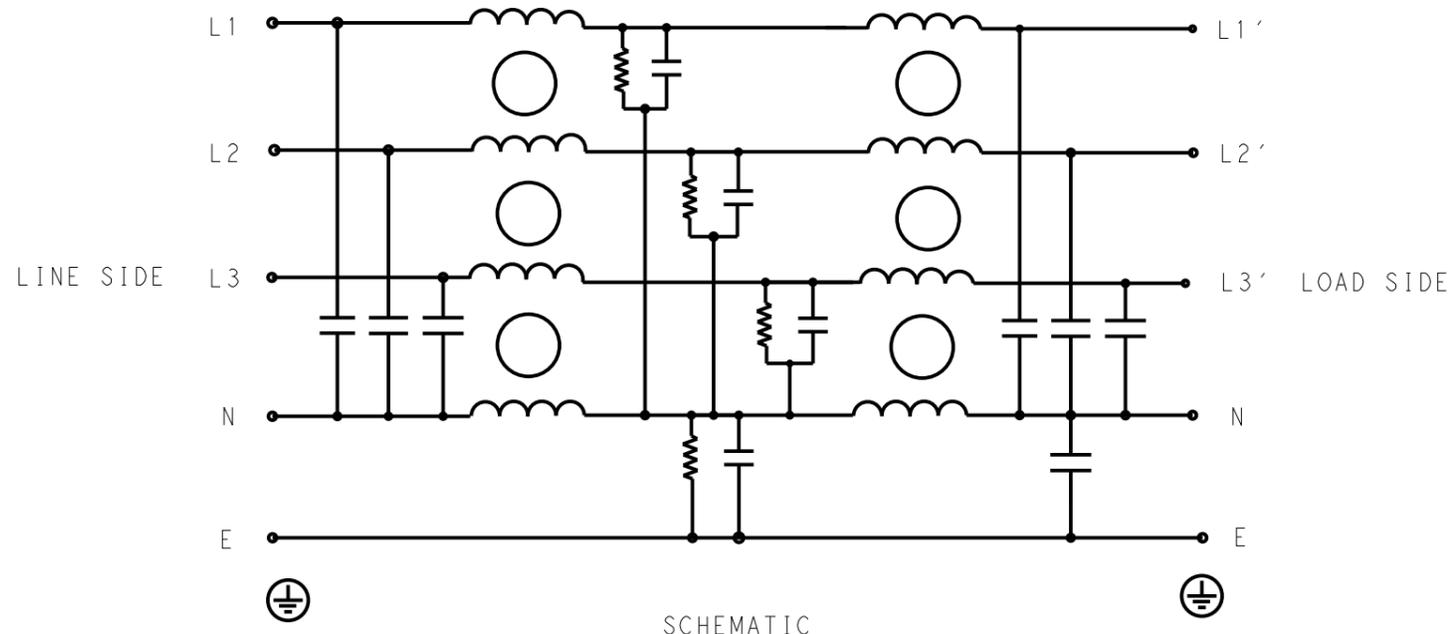


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	19APR2021	SR	CB



SCHMATIC

**SAFETY ORGANIZATIONS**  
 THIS FILTER WILL BE FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS WILL BE MET:

UL APPROVED 7A 440V 50Hz/60Hz 50°C  
 CSA APPROVED 7A 440V 50Hz/60Hz 50°C

**OPERATING SPECIFICATION**  
 LINE CURRENT/VOLTAGE: 7A, 440VAC  
 LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 5mA @ 230VAC, 50Hz  
 OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -10°C TO +50°C

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{105 - T_a}{55}}$$

**RELIABILITY SPECIFICATIONS**  
 STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C AND 95% RH

**TEST SPECIFICATIONS**  
 INDUCTANCE, NOMINAL: 10mH

CAPACITANCE @ 1kHz  
 NEUTRAL TO GROUND, NOMINAL: 1µF  
 LINE TO NEUTRAL, NOMINAL: 3µF

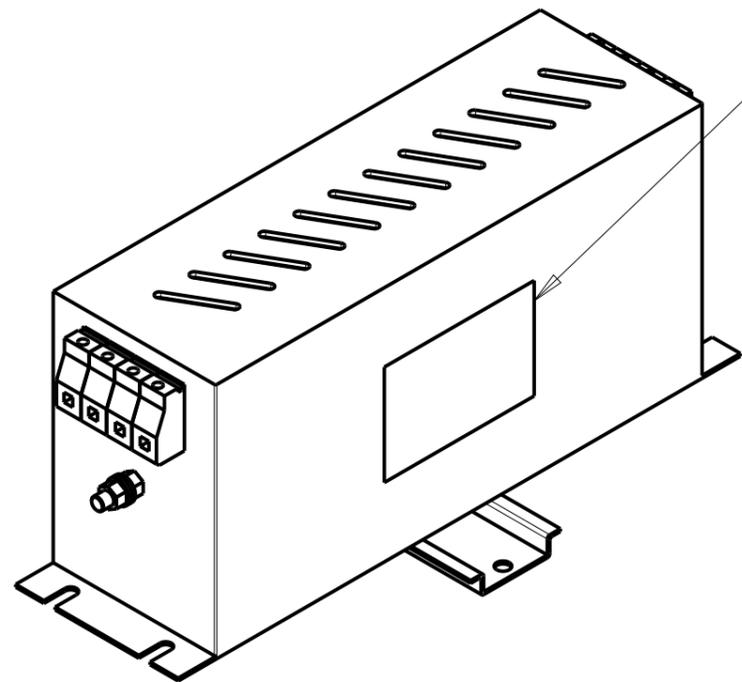
**DISCHARGE RESISTOR**  
 L/L I.R. 2MΩ 1W  
 L/N I.R. 1.5MΩ 1W  
 L/G I.R. 2MΩ 1W  
 N/G I.R. 680KΩ 1W  
 IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

**RECOMMENDED RECEIVING INSPECITON HIPOT**  
 LINE TO GROUND FOR 1 MINUTE: 2632VDC  
 LINE TO LINE FOR 1 MINUTE: 1892VDC  
 LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

**FILTER APPROVAL**  
 THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

TYPICAL INSERTION LOSS  
 COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

MHz	0.01	0.05	0.15	0.5	1	3	5	10	30
CM	70	70	72	78	72	62	54	45	25
DM	50	52	36	50	50	46	40	26	30



LABEL TO TE MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SUPREETH R 19APR2021		
		CHK CHRIS BOLLE 19APR2021		
		APVD CHRIS BOLLE 19APR2021	NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 7KEVD10ABSWHM	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC -
		0 PLC ±.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±.		APPLICATION SPEC -
MATERIAL -		FINISH -		WEIGHT -
		CUSTOMER DRAWING		SCALE 1:2 SHEET 1 OF 2 REV A

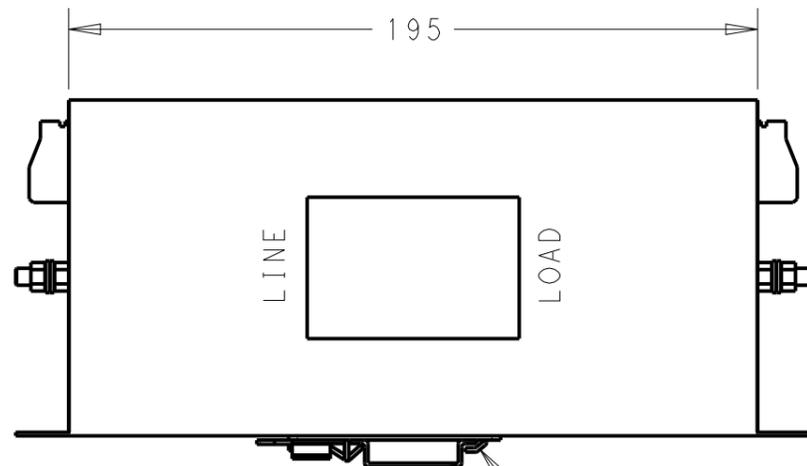
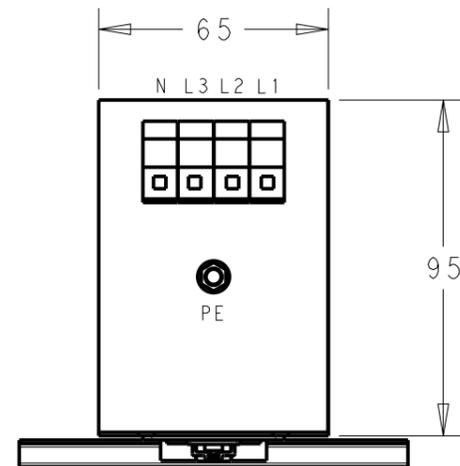
© 2021 TE Connectivity. All Rights Reserved.

NOTE 1 GROUND CONNECTION:  
 FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE  
 UNIT MUST HAVE A GOOD GROUND CONNECTION.  
 TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs  
 TORQUE GROUND NUTS: 2Nm

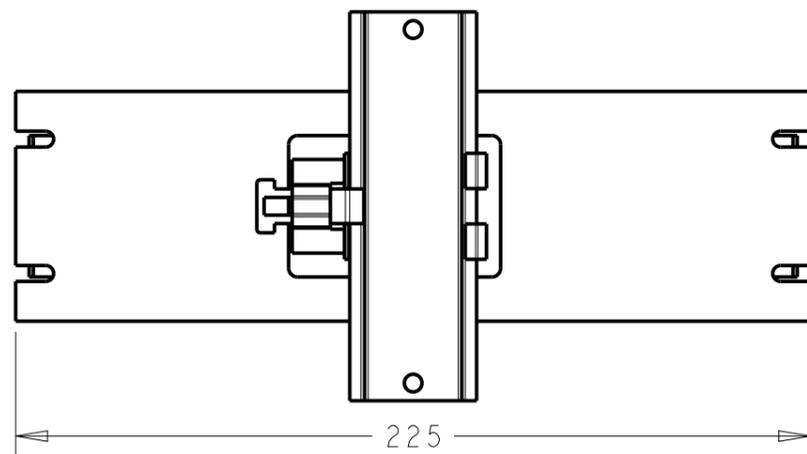
NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
 AWG SIZE: 26-12 AWG  
 WIRE SECTION: 4 mm<sup>2</sup>  
 THREADED BOLT SIZE FOR GROUND: M5

NOTE 3 SUPPLIED WITH DIN RAIL BRACKET.

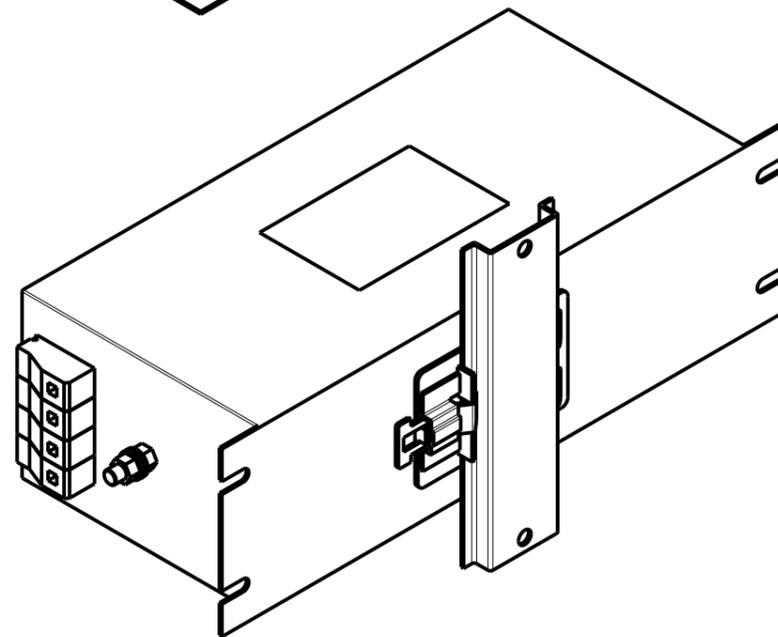
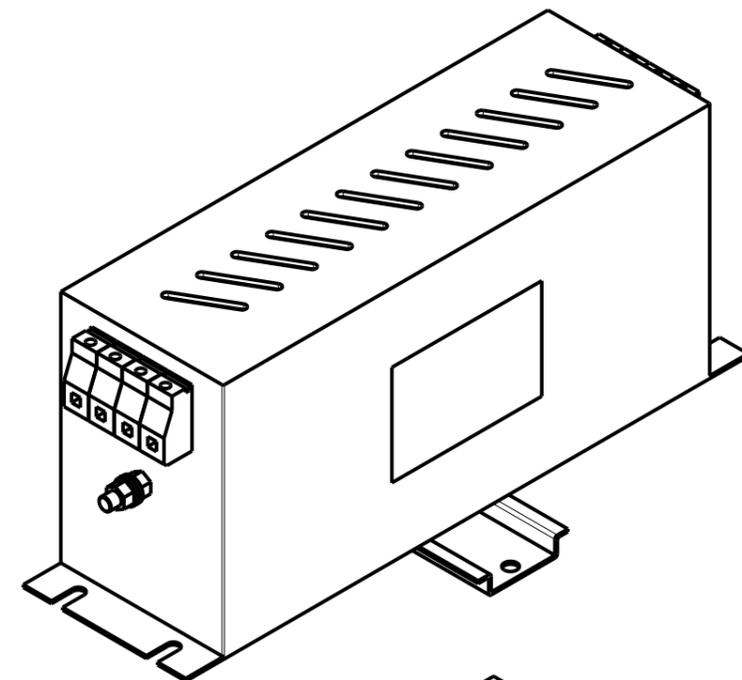
NOTE 4 DRAWING SHOWS DIN RAIL FOR  
 REFERENCE ONLY.



DIN RAIL CHANNEL ——— DIN 35 BRACKET



REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	19APR2021		
		CHK	19APR2021		
		APVD	19APR2021		
		CHRIS BOLLE	CHRIS BOLLE	NAME	
		PRODUCT SPEC		POWER LINE FILTER FOR	
		APPLICATION SPEC		DIN 35 RAIL INSTALLATION	
		WEIGHT		7KEVD10ABSWHM	
		CUSTOMER DRAWING		SIZE	RESTRICTED TO
				A300779	-
				CAGE CODE	
				G-3-1609998-0	
				DRAWING NO	
				SCALE	
				1:2	
				SHEET	
				2 OF 2	
				REV	
				A	