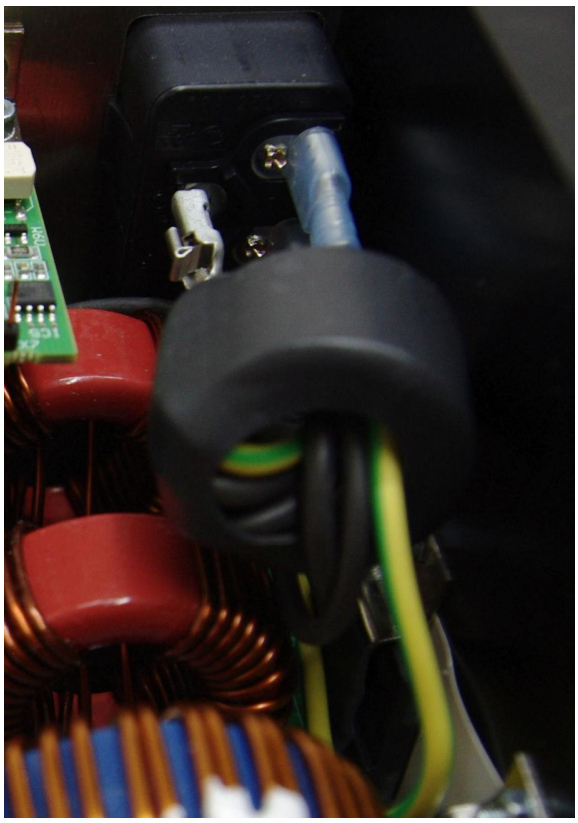
Bauteilname/Part Name:	***5808 EXT-Line D01***			
Artikelnummer/Part Number:	-			
Author: Autor:	*SteffenKurmis*	Date of last revision: Datum der letzten Revision:	*25. 05. 2019*	*SK*
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Related documents:				
Mitgeltende Dokumente:				

Document History/ Dokumentenhistorie:			
Revision (R) Draft (D)	Modification / Änderung	Date Datum	Author Autor
D01	***5808 EXT-Line D01***	*25. 05. 2019*	*SK*

1. Image of an example



2. Material

Magnetic Core:	Toroid Core 28x16x20mm Z=550Ohm
Core material:	Würth Elektronik 7427014
Conductor material:	2x Ölflex Heat 180SiF 1,5mm^2 black 1x Ölflex Heat 180SiF 1,5mm^2 yellow/green
Coil form:	
Isolation:	

3. Isolation Requirements

Creepage distance:	
Temperature class IEC85:	class B
Approval of the materials as „UL recognized component“:	
Inflammability of plastic parts:	UL-V1 or better
Comparative Tracking Index (CTI):	group III or better

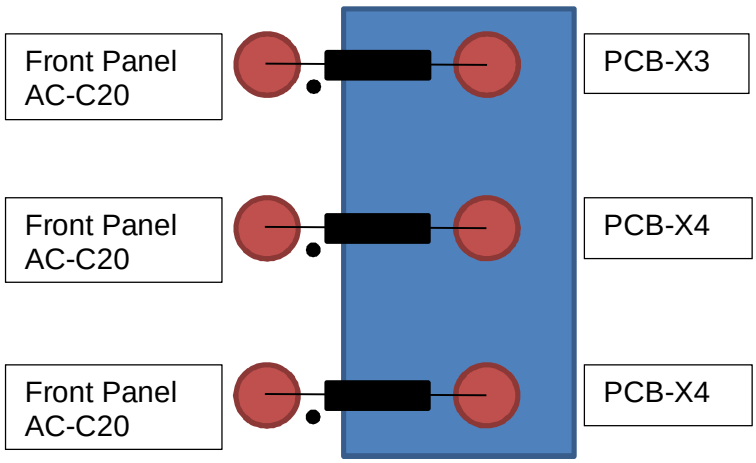
4. Windings/ Construction

4.1. Winding table:

Pin		Number of turns	Z [Ohm]	Conductor	Winding	Comment
Start	End					
PCB-X3	Front Panel AC-C20	2	550	Ölflex Heat 180SiF 1,5mm² black	P1	
PCB-X4	Front Panel Bat+	2	550	Ölflex Heat 180SiF 1,5mm² black	P2	
PCB-X2	Front Panel Bat+	2	550	Ölflex Heat 180SiF 1,5mm² yellow/green	P2	

4.2. Sketch of Windings: n.a.

4.3. Sketch of Pin-Layout:



5. Checks

Inductance: yes [@10kHz], Tolerance: +/-25%
Turns ratio:
Test voltage: