

Proprietary Information of:  POWER SOLUTIONS & PROTECTION a bel group	Title: EMC Declaration of Conformity	Document No. URR.03608	Rev. AF
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Declaration of Conformity

We, Bel Fuse Inc., hereby declare under our sole responsibility that the products herein after referred to are in compliance with the European **EMC Directive 2014/30/EU**.

Manufacturer/Address: **Bel Fuse Inc.**
300 Executive Drive, Suite 300
West Orange, NJ 07052
USA

Product: **DC-DC Converter**

Type Designation: **RCM500 Series**
 (Refer to detailed P/N on next page(s))

Directive: **DIR 2014/30/EU, EMC Directive**
 EMC Standard(s): **EN 55011:2016/A2:2021**
 EN 50121-3-2:2016/A1:2019
 EN 50121-4:2016/A1:2019

Prepared by:



 (Manufacturer)
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(Place)

Feb 24th,2024

(Date)

Approved by:



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 Safety & Environmental Compliance

Santa Clara, Ca. USA

(Place)

Feb 24th,2024

(Date)

Part Number Description

Operating input voltage $V_{i\text{cont}}$ (continuously):		110 RCM 500 -24 D M Q F K
50.4 – 90 VDC	72	
77 – 137.5 VDC	110	
Series	RCM	
Output power:		
500 W	500	
1000 W	1000	
Nominal output voltage:		
24 V	-24	
Auxiliary functions and options:		
Out OK, output voltage adjust, shutdown ¹	D	
Interruption time	M	
ORing FET.....	Q	
Fuse built-in.....	F	
Pluggable Connectors	K	

¹ Opt. D requires the auxiliary connector.

Note: The sequence of options must follow the order above.

Note: All models are RoHS-compliant for all six substances.

Available combinations of options:
 72/110RCMxxx-24 (K)
 72/110RCMxxx-24D (K)
 72/110RCMxxx-24DF (K)
 72/110RCMxxx-24DMQ (K)
 72/110RCMxxx-24DMQF (K)

Example: 110RCM500-24DMQ: DC-DC converter, input voltage range 77 to 137.5V continuously, output providing 24 V /21 A, monitoring relay, output voltage adjust, shutdown input, active current sharing, interruption time 10 ms, integrated ORing FET, RoHS-compliant for all six substances.