

Proprietary Information of:  bel POWER SOLUTIONS & PROTECTION a bel group	Title: EMC Declaration of Conformity	Document No. URR.20240	Rev. A
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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

Product: **DC-DC Converter**

Type Designation: **RCM200-1515 Series**
 (Refer to detailed P/N on next page(s))

Directive: **DIR 2014/30/EU, EMC Directive**
 EMC Standard(s): **EN 55011:2016/A1:2017**
EN 50121-3-2:2016
EN 50121-4:2016

Prepared by:



	Dubnica nad Váhom, Slovakia	Dec 16, 2024
	<i>(Place)</i>	<i>(Date)</i>
<i>Marian Vranka, Engineering Manager</i>		

Approved by:



	Uster, Switzerland	Dec 17, 2024
	<i>(Place)</i>	<i>(Date)</i>
<i>Rolf Baldauf, VP PMO & VAVE</i>		

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List of Product P/N:

No.	P/N	No.	P/N
1	110RCM200-1515DM	22	
2	110RCM200-1515DMK	23	
3	110RCM200-1515DMQ	24	
4	110RCM200-1515DMQK	25	
5	110RCM200-1515DMQF	26	
6	110RCM200-1515DMQFK	27	
7	110RCM200-1515DMFK	28	
8	24RCM200-1515DM	29	
9	24RCM200-1515DMK	30	
10	24RCM200-1515DMQ	31	
11	24RCM200-1515DMQK	31	
12	24RCM200-1515DMQF	33	
13	24RCM200-1515DMQFK	34	
14	24RCM200-1515DMFK	35	
15		36	
16		37	
17		38	
18		39	
19		40	
20		41	
21		42	

Note: model names may be followed by suffix indicating non-EMC critical options.

Input voltage					Output		Power	Efficiency ²		Model	Options
$V_{i \min}$ [V]	$V_{i \text{cont}}$ [V]			$V_{i \max}$ [V]	$V_{o \text{ nom}}$ [V]	$I_{o \text{ nom}}$ [A]	$P_{o \text{ nom}}$ [W]	$\eta_{\min}$ [%]	η_{typ}		
14.4	16.8	(24)	45	52.5	+15	6.70	200	89	91	24RCM200-1515DM	Q, F, K
					-15	6.70	200				
43.2	50.4	(110)	137.5	154	+15	6.70	200	91	92	110RCM200-1515DM	
					-15	6.70	200				
14.4	16.8	(24)	45	52.5	+24	6.25	300	90	92	24RCM300-2424DM	
					-24	6.25	300				
43.2	50.4	(110)	137.5	154	+24	6.25	300	92	93	110RCM300-2424DM	
					-24	6.25	300				

¹ Short time; see table 2 for details.

² Efficiency at $T_A = 25^\circ\text{C}$, $V_{i \text{nom}}$, $I_{o \text{nom}}$, $V_{o \text{nom}}$, only option DM fitted.

Part Number Description

Operating input voltage $V_{i \text{cont}}$ (continuously):		110 RCM 300 -2424 DM Q F K							
16.8 – 45 VDC	24								
50.4 – 137.5 VDC	110								
Series	RCM								
Output power:									
200 W	200								
300 W	300								
Nominal output voltage:									
+15 / -15 V	1515								
+24 / -24 V	2424								
Auxiliary functions and options:									
Out OK, interruption time, shutdown	DM								
Option: ORing FET	Q								
Option: Fuse built-in	F								
Option: Pluggable Connectors	K								

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

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