

Proprietary Information of: 	Title: <b>EMC Declaration of Conformity</b>	Document No. <b>URR.03658</b>	Rev. <b>AD</b>
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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.**  
**206 Van Vorst Street, Jersey City, New Jersey,**  
**USA 07302**

Product: **DC-DC Converter**

Type Designation: **110RCM1000-24 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:


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 Dubnica nad Váhom, Slovakia Nov 25, 2019  
 (Manufacturer) (Place) (Date)  
 Marian Hostacny, Engineering Manager

Approved by:


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 Uster, Switzerland Nov 25, 2019  
 (Place) (Date)  
 Rolf Baldauf, VP PMO & VAVE

**List of Product P/N:**

No.	P/N	No.	P/N
1	110RCM1000-24	22	
2	110RCM1000-24D	23	
3	110RCM1000-24DF	24	
4	110RCM1000-24DMQ	25	
5	110RCM1000-24DMQF	26	
6	110RCM1000-24DMQFK	27	
7	110RCM1000-24DMQK	28	
8		29	
9		30	
10		31	
11		32	
12		33	
13		34	
14		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 option

**Part Number Description**

Operating input voltage $V_{i,cont}$ (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 <sup>1</sup> .....	D	
Interruption time .....	M	
ORing FET .....	Q	
Fuse built-in .....	F	
Pluggable Connectors .....	K	

<sup>1</sup> 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.