

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: **RCM300 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
EN 50121-4:2016

Prepared by:



Dubnica nad Váhom, Slovakia

Feb 24th, 2024

(Manufacturer)

(Place)

(Date)

Marian Hostacny, Engineering Manager

Approved by:



Santa Clara, Ca. USA

Feb 24th, 2024

*Editha S. Vergara, Global Director,
Safety & Environmental Compliance*

(Place)

(Date)

List of Product P/N:

No.	P/N	No.	P/N
1	24RCM300-12	10	110RCM300-12
2	24RCM300-12DMQ	11	110RCM300-12K
3	24RCM300-12DMQF	12	110RCM300-12D
4	24RCM300-24	13	110RCM300-12DF
5	24RCM300-24D	14	110RCM300-12DMQ
6	24RCM300-24DMQ	15	110RCM300-12DMQF
7	24RCM300-24DMQK	16	110RCM300-12DMQFK
8	24RCM300-24DMQF	17	110RCM300-24
9	24RCM300-24DMQFK	18	110RCM300-24K
		19	110RCM300-24D
		20	110RCM300-24DK
		21	110RCM300-24DF
		22	110RCM300-24DMQ
		23	110RCM300-24DMQF
		24	110RCM300-24DMQFK

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

Part Number Description

		110	RCM	150	-24	D	M	Q	F	K
Operating input voltage $V_{i,cont}$ (continuously):										
16.8 – 45 VDC	24									
50.4 – 137.5 VDC	110									
Series	RCM									
Output power:										
150 W	150									
300 W	300									
Nominal output voltage:										
12 V	-12									
15 V	-15									
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:
 24/110RCMxxx-xx (K)
 24/110RCMxxx-xxD (K)
 24/110RCMxxx-xxDF (K)
 24/110RCMxxx-xxDMQ (K)
 24/110RCMxxx-xxDMQF (K)

Example: 110RCM150-24DMQ: DC-DC converter, input voltage range 50.4 to 137.5V continuously, output providing 24 V /6.25 A, monitoring relay, output voltage adjust, shutdown input, interruption time 10 ms, integrated ORing FET, operating ambient temperature $T_a = -40$ to 70 °C, RoHS-compliant for all six substances.