

Proprietary Information of:  <b>bel</b> POWER SOLUTIONS & PROTECTION <small>a bel group</small>	Title: <b>EMC Declaration of Conformity</b>	Document No. <b>URR.04381</b>	Rev. <b>AC</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: **24RCM300 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/A11:2020**  
**EN 50121-3-2:2016**

Prepared by:


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**Dubnica nad Váhom, Slovakia** **Mar 28,2022**  
*(Manufacturer)* *(Place)* *(Date)*  
 Marian Hostacny, Engineering Manager

Approved by:


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**Uster, Switzerland** **Mar 28,2022**  
*Rolf Baldauf, VP PMO & VAVE* *(Place)* *(Date)*

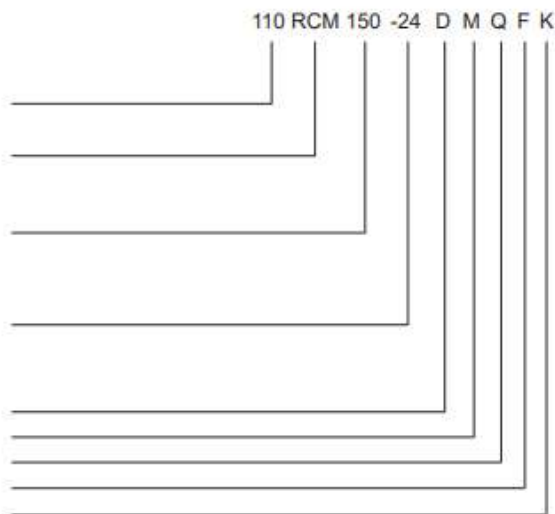
**List of Product P/N:**

No.	P/N	No.	P/N
1	24RCM300-24	22	
2	24RCM300-24D	23	
3	24RCM300-24DMQ	24	
4	24RCM300-24DMQF	25	
5	24RCM300-24DMQFK	26	
6	24RCM300-24DMQK	27	
7	24RCM300-12DMQ	28	
8	24RCM300-12DMQF	29	
9		30	
10		31	
11		32	
12		33	
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**Note:** model names may be followed by suffix indicating non-EMC critical option

**Part Number Description**

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 <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:  
 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.