

Proprietary Information of: 	Title: EMC Declaration of Conformity	Document No. URR.03130	Rev. AE
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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: **HR23 Series, HRP23 Series, HRL23 Series**
HR25 Series, HRP25 Series, HRL25 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 **Nov 25, 2019**
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Approved by:


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

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List of Product P/N:

No.	P/N	No.	P/N
1	HR2320-9RB1G	22	
2	HR2320-9RB1GA103	23	
3	HR2320-9RBG	24	
4	HR2320-9RG	25	
5	HR2321-9RG	26	
6	HR2398-9BG	27	
7	HR2399-9G	28	
8	HR2540-9RG	29	
9	HRL2320-9RB1G	30	
10	HRL2320-9RBG	31	
11	HRL2320-9RG	32	
12	HRL2321-9RG	33	
13	HRP2320-9RB1G	34	
14	HRP2320-9RBG	35	
15	HRP2320-9RG	36	
16	HRP2323-9RG	37	
17	HRP2324-9RB1G	38	
18	HRP2325-9RB1G	39	
19	HRP2326-9RB1G	40	
20	HRP2540-9RG	41	
21	HRP2541-9RB1G	42	

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

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Part Number Description

		HR 2 5 40 -9 R B1 G
Operating input voltage $V_{i\text{cont}}$ (continuously):		
16.8 – 150 VDC	HR, HRL, HRP	
77 – 150 VDC	ER, ERL, ERP	
Number of outputs	2, 7 ²	
Nominal voltage of main output $V_{o1\text{nom}}$:		
12 V	3	
15 V	5	
48 V	8	
Other voltages ¹	9	
Nominal voltage of tracking output V_{o2}^3 :		
12 V	20	
15 V	40	
48 V	80	
Other specifications or additional features ¹	21 – 99	
Operational temperature range: T_A :		
$T_A = -40$ to $71\text{ }^{\circ}\text{C}$, $T_C \leq 95\text{ }^{\circ}\text{C}$	-9	
Other ¹	-0, -5, -6	
Auxiliary functions and options:		
Output voltage control input	R	
Cooling plate standard case	B, B1	
Cooling plate for long case 220 mm ²	B2 ²	
RoHS-compliant for all 6 substances	G ⁴	

¹ Customer-specific models. No safety-relevant changes compared to the respective basic model, e.g. different mechanical details, special markings, mounted front plates, reduced output voltage, etc.

² Converters with 220 mm case (customer-specific models). Add 5000 to the model number, e.g. HR2540-9RB1G → HR7540-9RB1G.

³ The nominal voltages of both outputs are always equal.

⁴ G is always placed at the end of the part number.

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

Example: HR2540-9RB1G: DC-DC converter, operating input voltage range 16.8 – 150 VDC, 2 isolated outputs, each providing 15 V, 8 A, control input R to adjust the output voltages, cooling plate B1, and RoHS-compliant for all six substances.