

Proprietary Information of:  <b>POWER SOLUTIONS &amp; PROTECTION</b>	Title: <b>EMC Declaration of Conformity</b>	Document No. <b>URR.04644</b>	Rev. <b>B</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: **PSA, PSR Series**  
 (Refer to detailed P/N on next page(s))

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

Prepared by:



**Dubnica nad Váhom, Slovakia**

**Nov 25, 2019**

(Manufacturer)

(Place)

(Date)

*Marian Hostacny, Engineering Manager*

Approved by:



**Uster, Switzerland**

**Nov 25, 2019**

*Rolf Baldauf, VP PMO & VAVE*

(Place)

(Date)

Proprietary Information of:  <b>POWER SOLUTIONS &amp; PROTECTION</b> <small>© 2018 BEL</small>	Title: <b>EMC Declaration of Conformity</b>	Document No. <b>URR.04644</b>	Rev. <b>B</b>
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## List of Product P/N:

No.	P/N	No.	P/N
1	PSA153-2	22	PSA41H2A-0R
2	PSA55-7IR	23	PSA12Z3C-7IRY
3	PSA24Z3A-0IRY	24	PSA121.5-9IR
4	PSA12Z3D-7	25	PSA242.5-2
5	PSA55-7	26	PSA24Z3A-0IR
6	PSA55-7IP	27	PSA16C4A-0Y
7	PSA481-7IR	28	PSA241.5-7IRY
8	PSA42Z2A-7IR	29	PSA151.5-7IRY
9	PSA241.5-9IR	30	PSA153-2IRY
10	PSA242.5-2IY	31	PSA241.5-9IRY
11	PSA481-9IR	32	PSA242.5-2IRY
12	PSA123-2	33	PSA5B5-7
13	PSA151.5-7IR	34	PSA5Z4A-0IR
14	PSA241.5-7IR	35	PSA5C3-7
15	PSA24Z3A-0	36	PSA5A5-2
16	PSA361-7IR	37	PSA55-7R
17	PSA12B2.5-7I	38	PSA55-9
18	PSA121.5-7IRY	39	PSA5A2-2IRY
19	PSA123-2IRY	40	PSA5C4A-9
20	PSA121.5-7IR	41	PSA5F4A-9I
21	PSA481-7IRY	42	PSA55-7RY

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

Proprietary Information of:  <b>POWER SOLUTIONS &amp; PROTECTION</b> 01823 Rev. AC	Title: <b>EMC Declaration of Conformity</b>	Document No. <b>URR.04644</b>	Rev. <b>B</b>
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## List of Product P/N:

No.	P/N	No.	P/N
43	PSA5A5-2IRY	64	PSR362-7
44	PSA5K5A-7IRY	65	PSR122.5-7Y
45	PSA5A4-7	66	PSR152.5-7Y
46	PSA5A5A-7I	67	PSR152.5-7
47	PSA5A2-2	68	PSR242-9IR
48	PSA24Z2D-9IY	69	PSR53-9I
49	PSA121.5-9IRYG	70	PSR242-7Y
50	PSA12Z3A-9IR	71	PSR152.5-9Y
51	PSA42Z2A-9IRG	72	PSR122.5-7
52	PSA241.5-9IRG	73	PSR53-9IRY
53	PSA241.5-9IRYG	74	PSR152.5-7IP
54	PSA241.5-9RYG	75	PSR152.5-7IRY
55	PSA5K5A-9IRYG	76	PSR122.5-7IRY
56	PSA121.5-9IRG	77	PSR362-7IRY
57	PSA242.5-2G	78	PSR53-7
58	PSA24Z3A-0IRYG	79	PSR152.5-9IR
59	PSA5A5A-9IG	80	PSR122.5-7IR
60	PSA123-2G	81	PSR152.5-9
61	PSA5C4A-9G	82	PSR242-7IR
62	PSR53-9Y	83	PSR53-7IR
63	PSR242-9	84	PSR122.5-7IP

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## List of Product P/N:

No.	P/N	No.	P/N
85	PSR152.5-7IR	106	PSR362-9IR
86	PSR54-7	107	PSR242-7
87	PSR52-7Y	108	PSR54-7I
88	PSR53-9IR	109	PSR152.5-7IY
89	PSR122.5-7RY	110	PSR54-7R
90	PSR122.5-9P	111	PSR54-7Y
91	PSR122.5-9	112	PSR54-9IP
92	PSR242-9Y	113	PSR54-9
93	PSR53-7Y	114	PSR54-7IP
94	PSR52-7	115	PSR54-9IR
95	PSR122.5-9IR	116	PSR152.5-9IRG
96	PSR122.5-9IRY	117	PSR53-9IY
97	PSR53-9	118	PSR5Z3B-9Y
98	PSR152.5-9I	119	PSR362-9G
99	PSR242-7RY	120	PSR362-9IPG
100	PSR152.5-7RY	121	PSR362-9IRYG
101	PSR362-7IR	122	PSR362-9RYG
102	PSR122.5-7R	123	PSR242-9G
103	PSR53-7RY	124	PSR242-9IG
104	PSR53-7R	125	PSR242-9IPG
105	PSR53-7IP	126	PSR242-9IRG

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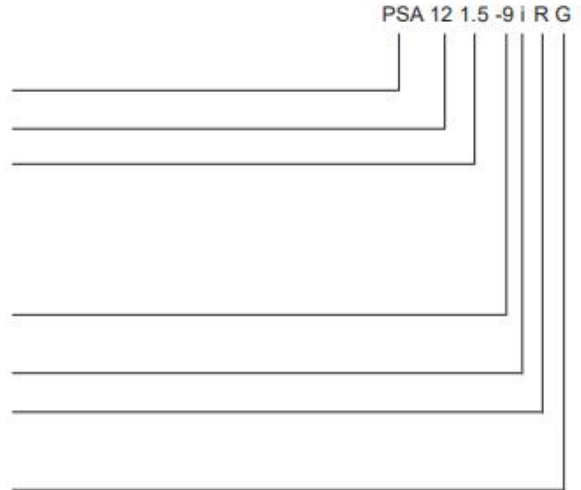
## List of Product P/N:

No.	P/N	No.	P/N
127	PSR242-9IRYG	148	PSR54-9IPYG
128	PSR242-9IYG	149	PSR54-9PG
129	PSR242-9PG	150	PSR54-9RG
130	PSR242-9RG	151	PSR54-9RYG
131	PSR242-9RYG	152	PSR54-9YG
132	PSR242-9YG	153	PSR5Z3B-9YG
133	PSR53-9G	154	
134	PSR53-9IG	155	
135	PSR53-9IRYG	156	
136	PSR53-9IRG	157	
137	PSR53-9IYG	158	
138	PSR53-9YG	159	
139	PSR53-9PG	160	
140	PSR53-9RYG	161	
141	PSR53-9PYG	162	
142	PSR53-9IPYG	163	
143	PSR53-9IPG	164	
144	PSR54-9G	165	
145	PSR54-9IG	166	
146	PSR54-9IPG	167	
147	PSR54-9IRG	168	



**Part Number Description**

- Positive switching regulator in case A01 .....PSA or PSR
- Nominal output voltage in Volt..... 5 to 48
- Nominal output current in Ampere..... 1 to 5
- Operational ambient temperature range  $T_A$ 
  - 10 to 50 °C ..... -2
  - 25 to 50 °C (customer-specific models)..... -5
  - 25 to 71 °C (option) ..... -7
  - 40 to 71 °C ..... -9
  - other (customer-specific models) ..... -0
- Inhibit input (standard for all -7 and -9 models)..... I
- Control input for output voltage adjustment<sup>1</sup>..... R
- Potentiometer<sup>1</sup> (option, NFND)..... P
- RoHS-compliant for all 6 substances ..... G



<sup>1</sup> Option P excludes feature R.

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

**Example:** PSA121.5-9IRG designates a positive switching regulator with an output 12 V, 1.5 A, ambient temperature -40 to 71 °C, inhibit input, output voltage adjust by R-pin, RoHS-compliant for all 6 substances.