



VZCA2.E322107 Surge-protective Devices - Component

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OKAYA ELECTRIC INDUSTRIES CO LTD

E322107

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SETAGAYA-KU, TOKYO 158-8543 JAPAN

Effective until March 11, 2016

Surge-protective device, Type 4, For use in other than SPD applications, Cat No. R26-231-BGL(EP), may be followed by additional suffixes.

RA-301P-C6, RA-311P-C6, RA-321P-C6, RA-331P-C6, RA-341P-C6, RA-351P-C6, RA-361P-C6, RA-371P-C6, RA-381P-C6, RA-391P-C6, RA-401P-C6, RA-411P-C6, RA-421P-C6, RA-431P-C6, RA-441P-C6, RA-451P-C6, RA-461P-C6, RA-471P-C6, RA-481P-C6, RA-491P-C6, RA-501P-C6, RA-601P-C6, RA-701P-C6, RA-801P-C6, RA-901P-C6, RA-102P-C6, RA-122P-C6, RA-152P-C6, RA-182P-C6, RA-202P-C6, RA-222P-C6, RA-242P-C6, RA-272P-C6, RA-302P-C6, RA-301M-C6, RA-311M-C6, RA-321M-C6, RA-331M-C6, RA-341M-C6, RA-351M-C6, RA-361M-C6, RA-371M-C6, RA-381M-C6, RA-391M-C6, RA-401M-C6, RA-411M-C6, RA-421M-C6, RA-431M-C6, RA-441M-C6, RA-451M-C6, RA-461M-C6, RA-471M-C6, RA-481M-C6, RA-491M-C6, RA-501M-C6, RA-601M-C6, RA-701M-C6, RA-801M-C6, RA-901M-C6, RA-102M-C6, RA-122M-C6, RA-152M-C6, RA-182M-C6, RA-202M-C6, RA-222M-C6, RA-242M-C6, RA-272M-C6, RA-302M-C6, may be followed by additional suffixes.

RA-501M-V7 (RA501V), RA-601M-V7 (RA601V), RA-701M-V7 (RA701V), RA-801M-V7 (RA801V), RA-901M-V7 (RA901V), RA-102M-V7 (RA102V), RA-122M-V7 (RA122V), RA-152M-V7 (RA152V), RA-182M-V7 (RA182V), RA-202M-V7 (RA202V), RA-222M-V7 (RA222V), RA-242M-V7 (RA242V), RA-272M-V7 (RA272V), RA-302M-V7 (RA302V), RA-332M-V7 (RA332V), RA-362M-V7 (RA362V), RA-402M-V7 (RA402V), RA-452M-V7 (RA452V), RA-501MS-V7 (501), RA-601MS-V7 (601), RA-701MS-V7 (701), RA-801MS-V7 (801), RA-901MS-V7 (901), RA-102MS-V7 (102), RA-122MS-V7 (122), RA-152MS-V7 (152), RA-182MS-V7 (182), RA-202MS-V7 (202), RA-222MS-V7 (222), RA-242MS-V7 (242), RA-272MS-V7 (272), RA-302MS-V7 (302), RA-332MS-V7 (332), RA-362MS-V7 (362), RA-402MS-V7 (402), RA-452MS-V7 (452), may be followed by additional suffixes.

RA-601-G7, RA-402-G7, may be followed by additional suffixes.

RA-601P-C6, RA-601M-C6, RA-701P-C6, RA-701M-C6, RA-801P-C6, RA-801M-C6, RA-901P-C6, RA-901M-C6, RA-102P-C6, RA-102M-C6, RA-122P-C6, RA-122M-C6, RA-152P-C6, RA-152M-C6, RA-182P-C6, RA-182M-C6, RA-202P-C6, RA-202M-C6, RA-222P-C6, RA-222M-C6, RA-242P-C6, RA-242M-C6, RA-272P-C6, RA-272M-C6, RA-302P-C6, RA-302M-C6, may be followed by additional suffixes.

RAM-242LAS, RAM-302LAS, RAM-362LAS, may be followed by additional suffixes.

RHCA-152+74, RHCA-182+74, RHCA-202+74, RHCA-242+74, RHCA-272+74, RHCA-302+74, RHCA-362+74, RHCA-402+74, RHCA-452+74, may be followed by additional suffixes.

RHCA-202+53, RHCA-242+53, RHCA-272+53, RHCA-302+53, RHCA-362+53, RHCA-402+53, RHCA-452+53, may be followed by additional suffixes.

RVM-431*821SU, RAV-401BWZ-2A, RAV-781BWZ-2A, RAV-781BXZ-2A, RAV-401BWZ-3C, RAV-781BWZ-3C, RAV-781BXZ-3C, RAV-781BXZ-3B, RAV-410LDEZ, RAV-781LDEZ, RAV-401QWZ, RAV-781QWZ, RAV-401PWZ, RAV-781PWZ, may be followed by additional suffixes.

Surge-protective device, Type 4, For use in SPD Type 2 applications, Cat No. LV150DI-Q4, LV275DI-Q4, LV275DI-U4, LV480DI-Q4, LV480DI-U4, LV550DI-U4 may be followed by additional suffixes

RSPD-150-Q4, -Q5, RSPD-250-Q4, -Q5, -U4, -U5, RSPD-420-Q4, -Q5, -U4, -U5, RSPD-500-Q4, -Q5, -U4, -U5, RSPD-600-Q4, -Q5, -U4, -U5, may be followed by additional suffixes.

RSPD-250-W4, RSPD-250-X4, RSPD-250-W5, RSPD-250-X5, may be followed by additional suffixes.

Surge-protective device, Type 4, For use in SPD Type 3 applications, Cat No. RAV-152BYZ-2A, RAV-781BYZ-2, RAV-781BWZ-4, RAV-781BWZ-5, RAV-781BXZ-4, RAV-781BXZ-5, RAV-801BXZ-4, RAV-801BXZ-5, may be followed by additional suffixes.

RCM-601BQZ-4, -5, RCM-601BUZ-4, -5, RCM-781BQZ-4, -5, RCM-781BUZ-4, -5, RCM 801BUZ-4, -5, may be followed by additional suffixes.

Effective May 3, 2010

Cat No.	SPD Type	Volts (V)	AC/DC/DC PV	PH	AMPS (A)	AMB (°C) Min	AMB (°C) Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
GFA-300-Q4+	4CA	250	AC	1	n/a	-40	85	L-N	-	1290	300	n/a	2.5	N/A	2
								L-G	-	1750	300	-	-	-	
								N-G	-	1730	300	-	-	-	
R26-102-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	1270	125	-	3	-	1
										1170	250	-	3	-	1
R26-152-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	1670	125	-	3	-	1
										1830	250	-	3	-	1

R26-242-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	2930	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	3010	250	-	3	-	1
R26-301-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	710	125	-	3	-	1
R26-302-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	3090	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	3120	250	-	3	-	1
R26-351-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	700	250	-	3	-	1
R26-362-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	3240	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	3220	250	-	3	-	1
R26-401-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	690	125	-	3	-	1
R26-471-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	770	250	-	3	-	1
R26-601-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	920	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1110	250	-	3	-	1
R26-801-BGL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	1090	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1140	250	-	3	-	1
R28-102-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	1260	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1270	250	-	3	-	1
R28-152-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	1850	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1860	250	-	3	-	1
R28-242-BJL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	2900	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	2920	250	-	3	-	1
R28-301-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	700	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1130	250	-	3	-	1
R28-302-BKL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	3610	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	3620	250	-	3	-	1
R28-351-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	700	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1120	250	-	3	-	1
R28-362-BKL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	4090	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	4110	250	-	3	-	1
R28-401-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	700	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1120	250	-	3	-	1
R28-402-BKL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	4410	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	4440	250	-	3	-	1

R28-452-BKL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	4810	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	4850	250	-	3	-	1
R28-471-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	690	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1110	250	-	3	-	1
R28-502-BKL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	5430	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	5400	250	-	3	-	1
R28-552-BRL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	6050	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	5980	250	-	3	-	1
R28-601-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	820	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1140	250	-	3	-	1
R28-602-BRL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	6670	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	6540	125	-	3	-	1
R28-801-BHL	5	125	AC	1	n/a	-40	85	Ld-Ld	-	1030	125	-	3	-	1
	5	250	AC	1	n/a	-40	85	Ld-Ld	-	1210	250	-	3	-	1
RA-102MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	1240	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	1270	250	n/a	0.5	n/a	1,3
RA-152MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	1670	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	1670	250	n/a	0.5	n/a	1,3
RA-242MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	2210	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	2240	250	n/a	0.5	n/a	1,3
RA-302MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	3440	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	3440	250	n/a	0.5	n/a	1,3
RA-362MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	3690	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	3580	250	n/a	0.5	n/a	1,3
RA-402MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	4260	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	4210	250	n/a	0.5	n/a	1,3
RA-452MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	4340	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	4390	250	n/a	0.5	n/a	1,3
RA-501MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	1030	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	1110	250	n/a	0.5	n/a	1,3
RA-601MX-V7+	5	125	AC	1	n/a	-	85	Ld-Ld	-	1130	125	n/a	0.5	n/a	1,3
	5	250	AC	1	n/a	-	85	Ld-Ld	-	1120	250	n/a	0.5	n/a	1,3
RAV-401PWZ	4CA	125	AC	1	-	-40	85	Ld-Ld	-	1370	125	-	0.5	-	1
	4CA	125	AC	1	-	-40	85	Ld-Ld	-	1370	125	-	0.5	-	1

RAV-401QWZ															
RAV-781PWZ	4CA	250	AC	1	-	-40	85	Ld-Ld	-	2220	250	-	0,5	-	1
RAV-781QWZ	4CA	250	AC	1	-	-40	85	Ld-Ld	-	2220	250	-	0,5	-	1
SV275DA-U4, may be followed by additional suffixes.															
	2CA	240	AC	3D	n/a	-	85	L-L L-G	1500 1500	- -	275 275	- -	3	5	1
	2CA	415/240	AC	3Y	n/a	-	85	L-L L-N	1500 1500	- -	275 275	- -	3	5	1



Notes:

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.
3. Series External Impedance required, see Electrical Ratings in the Recognition report.
4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.
5. Body of discrete component metal-oxide varistors (MOVs) flammability:
 - a) Min. V-0 or VTM-0.
 - b) Min. V-1 or VTM-1.
 - c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
 - d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

+ - May be suffixed with or without -, or (.), or A - Z, or a - z, or 0 - 999 or a combination of these characters.

Marking: Company name or trademark , model designation and the Recognized Component Mark,  on the product or on the smallest unit container in which the product is packaged.
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