LUXSOLAR

AC/DC FUSE

Solutions Catalogue

SCAN FOR CATALOG 02

For the content contained in this manual, Gandian Lightning Protection has the final right to interpret. For more detailed information, please inquire; our company's technical engineers will serve you wholeheartedly. Because of the continuous innovation of product technology, please refer to the actual product or the manual; Subject to change without notice.

Use environmentally friendly materials

+36 30 122 4862 INFO@LUXSOLAR.HU WWW.LUXSOLAR.HU LUXSOLAR MAGYARORSZÁG KFT.

ISO CQC CE CB RoHS TÜV Rheinland GA&DA

www.luxsolar.hu

GA&DA

Gandianfanglei

Better life, better electricity

不辜负每一份电力，让电尽其所能

VIZIOTÓL A KIVITELEZÉSIG | FROM VISION TO EXECUTION

GANDIAN LANGYONG

有品质才有市场，有改进才有进步，有创新才有发展

坚守专业与责任，做行业的领跑者

Stick to professionalism and responsibility
and be the leader of the industry

ISO | CQC | CE | CB | RoHS | TÜV Rheinland

LUXSOLAR

Gandian Lightning Protection Electric Co., Ltd. is a modern high-tech enterprise dedicated to the design, research and development, production, sales and service of lightning safety protection e-quipment. The company is located in the economic and technolo-gical development zone of Jiujiang City, the only international trade port city in Jiangxi Province.The total plant construction area is 39,960 square meters, the factory covers an area of 29970.16 square meters, and there are more than 200 employees.

Through continuous reform and innovation, the company develops its own brand, showing a new look of internationalization, modernization and informationization. Break through high-end industries with focus, upgrade traditional industries with automation, actively build automated electrical equipment bases, gather a team of highly skilled experts, strengthen the simultaneous development of advanced equipment industry and modern service industry, have a variety of fully functional product performance testing laboratories, 8/20us 150kA compatible with 10/350us 25kA simulated lightning laboratory, 10/350us 120kA simulated lightning laboratory, 1.2/50us combined wave generator, 1.2/50us voltage generator, gap, discharge tube detector, thermal stability test System, lightning online monitoring system, intelligent lightning protection detection system, SPD backup protector power frequency current test, lightning non-trip current test system and a series of advanced detection equipment, to ensure the stability and innovation of our products!

Independently develop a number of advanced production and processing automatic assembly lines, which integrate automatic glue filling, Independently develop a number of advanced production and processing automatic assembly lines, which integrate automatic glue filling, automatic soldering, automatic laminating, pad printing, laser marking, automatic detection and uploading of data, automatic sealing and packaging and other automatic equipment to ensure each product Consistency, fully guarantee efficient production and high-quality management, with unified planning of logistics, production, life and other service facilities, and strive to build a first-class intelligent production industrial base with international competitiveness.

The company took the lead in passing ISO9001 quality system certification, ISO14001 environmental management system certification, OHSAS18001 occupational health and safety management system, CQC certification, European Community CE certification, TUV Rheinland certification, CB certification, Rohs certification, and established a system from software and hardware. A strict quality management system can meet the various needs of new and old customers with the fastest speed, the best products, and the best services; sales points are set up throughout the country, and the sales scope radiates to all provinces in China, Southeast Asia, South America, and Europe , Africa and many other places, the service scope is all over the country, and the high-quality products and good service have won the favor of the majority of customers.

The main products are power surge protector series, smart lightning protection series, smart surge protector series, smart lightning pro- The main products are power surge protector series, smart lightning protection series, smart surge protector series, smart lightning protection box series, signal lightning protection series, fuses, circuit breakers, photovoltaic connectors, transfer switches, photovoltaic cables Wait. The products are mainly used in the construction of urban and rural power grids, urban infrastructure construction, factory construction stages, major domestic and foreign oil fields, petrochemical companies, shipbuilding industry, offshore oil drilling platforms, military power construction, photovoltaic power generation, wind power generation, coal, petroleum , Chemical, industrial and mining, hospitals, airports and other fields.

The company adheres to the corporate culture of "integrity first, happiness in the world, sharing and win-win", adheres to the spirit of "pragmatism, hard work, and dedication", and has the dream of "revitalizing national industry and assuming social morality". With the principle of trust, persist in realizing the new situation of "sustainable development, cooperative innovation", with the attitude of "professional, dedicated, rigorous, and eager to learn", always practice the glorious mission of "based on Rael Dunwei and build a world brand together" .

LUXSOLAR
WWW.LUXSOLAR.HU
GA&DA

Staff living area

The staff living area has 4360 square meters, 42 single rooms, 28 suites, supporting internal canteen, fitness area, outdoor activity area

Stamping and injection molding area

The stamping and injection molding area has 6800 square meters, 30 injection molding machines, 7 45T stamping machines, 5 35T stamping —achines, 8 25 stamping machines, and the remaining 18 stamping machines of each tonnage

Comprehensive production area

The comprehensive production area has 8,100 square meters, dozens of production lines for various products , a simulation laboratory for lightning strikes, and various lightning protection products test instruments, etc.

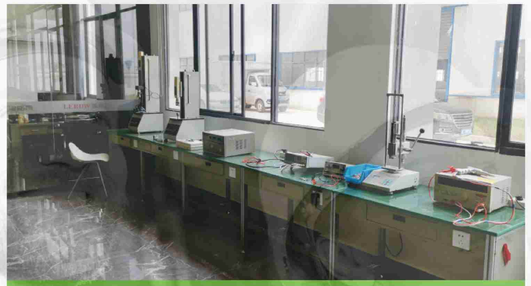
实验设备 Laboratory And Testing

Lab 1

Lab 2

Lab 3

R&D Center No. 1


R&D Center No. 2

Glow Wire Tester

SPD thermal stability test system

Coupling and decoupling online cabinet

1.2/50μs combined wave generator

Programmable salt spray test machine

Simulated lightning test platform

Programmable constant temperature and humidity test chamber

1.2/50μs voltage wave generator

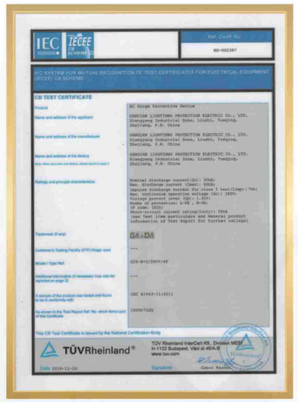
GA&DA
LUXSOLAR
WWW.LUXSOLAR.HU

证书 Certificate And International Patents

ISO14001

ISO9001

OHSAS18001



CB

CQC

RoHS

TUV-CE

TUV

CE

GD-10PV/PVD/PVS

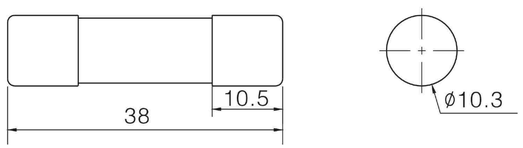
1000V DC 1A-32A

GD-10PV 10X38mm 1A-32A 1000V DC

Photovoltaic Fuse

- Fuse Size: 10x38mm
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Breaking Capacity: 20kA
- Time Constant: 1-3ms
- Base: GDPV-32H(Z)/GDPV-32(Z)/PV18-32(Z)

Dimensions-mm



GD-10PV

Main parameter

Type	Rated current	Energy Integrals I²t（A²s）		Order number
		Pre-arcing	Total	
GD-10PV/1A	1A	0.15	0.4	220001
GD-10PV/2A	2A	1.2	3.3	220002
GD-10PV/3A	3A	3.9	11	220003
GD-10PV/4A	4A	10	27	220004
GD-10PV/5A	5A	18	48	220005
GD-10PV/6A	6A	31	89	220006
GD-10PV/8A	8A	3.1	31	220007
GD-10PV/10A	10A	7.2	68	220008
GD-10PV/12A	12A	16	136	220009
GD-10PV/15A	15A	24	215	220010
GD-10PV/16A	16A	28	255	220011
GD-10PV/20A	20A	38	392	220012
GD-10PV/25A	25A	71	508	220013
GD-10PV/30A	30A	102	821	220014
GD-10PV/32A	32A	176	976	220015

Fuse Base

GDPV-32/GDPV-32C/PV18-32

GDPV-32H

GDPV-32H 32A 1000V DC (10X38mm)
GDPV-32HZ 32A 1000V DC (Status indication)

Type	GDPV-32H/1P	GDPV-32H/2P	GDPV-32H/3P	GDPV-32H/4P
Order Code	220016	220018	220020	220022
Type	GDPV-32HZ/1P	GDPV-32HZ/2P	GDPV-32HZ/3P	GDPV-32HZ/4P
Order Code	220017	220019	220021	220023

- Rated Voltage:1000V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19

Dimensions-mm

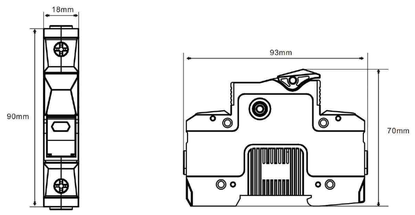
GDPV-32

GDPV-32 32A 1000V DC (10X38mm)
GDPV-32Z 32A 1000V DC (Status indication)

Type	GDPV-32/1P	GDPV-32/2P	GDPV-32/3P	GDPV-32/4P
Order Code	220024	220026	220028	220030
Type	GDPV-32Z/1P	GDPV-32Z/2P	GDPV-32Z/3P	GDPV-32Z/4P
Order Code	220025	220027	220029	220031

- Rated Voltage:1000V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19

Dimensions-mm



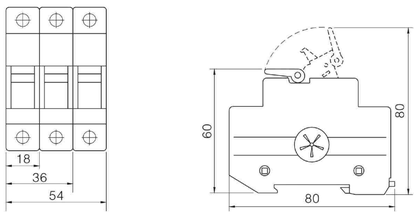
GDPV-32L

GDPV-32L 32A 1000V DC (10X38mm)
GDPV-32LZ 32A 1000V DC (Status indication)

Type	GDPV-32L/1P	GDPV-32L/2P	GDPV-32L/3P	GDPV-32L/4P
Order Code	220032	220034	220036	220038
Type	GDPV-32LZ/1P	GDPV-32LZ/2P	GDPV-32LZ/3P	GDPV-32LZ/4P
Order Code	220033	220035	220037	220039

- Rated Voltage:1000V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19

Dimensions-mm



GD-12PV

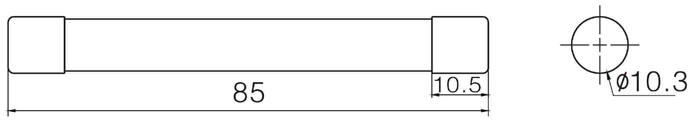
1000V/1500V DC 1A-35A

GD-12PV 10X85mm 1A-32A 1500V DC

Photovoltaic Fuse

- Fuse Size: 10x85mm
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Breaking Capacity: 20kA
- Time Constant: 1-3ms
- Base: GDPV-50L(Z)/GDPV-50D(Z)

Dimensions-mm



GD-12PV/PVS

Type	Rated current	Energy Integrals I²t（A²s）		Order number
		Pre-arcing	Total	
GD-12PV-1A	1A	2.3	3.1	220040
GD-12PV-2A	2A	4	8	220041
GD-12PV-3A	3A	6	11	220042
GD-12PV-4A	4A	8	14	220043
GD-12PV-5A	5A	11	22	220044
GD-12PV-6A	6A	15	30	220045
GD-12PV-8A	8A	9	35	220046
GD-12PV-10A	10A	10	98	220047
GD-12PV-12A	12A	12	120	220048
GD-12PV-15A	15A	14	170	220049
GD-12PV-16A	16A	34	400	220050
GD-12PV-20A	20A	65	550	220051
GD-12PV-25A	25A	85	680	220052
GD-12PV-30A	30A	90	720	220053
GD-12PV-32A	32A	125	800	220054

GD-13PV

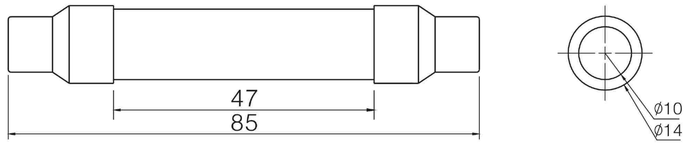
1500V DC 8A-50A

GD-13PV 14X85mm 8A-50A 1500V DC

Photovoltaic Fuse

- Fuse Size: 14x85mm
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Breaking Capacity: 20kA
- Time Constant: 1-3ms
- Base: GDPV-50L(Z)/GDPV-50D(Z)

Dimensions-mm



GD-13PV

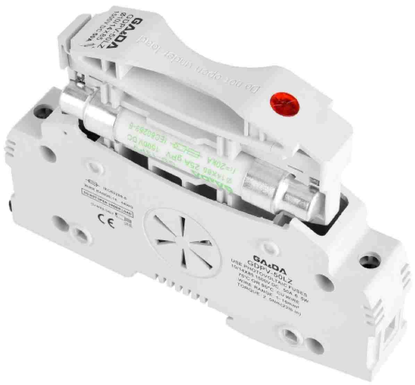
Type	Rated current	Energy Integrals I²t（A²s）		Order number
		Pre-arcing	Total	
GD-13PV-8A	8A	9	35	220055
GD-13PV-10A	10A	10	98	220056
GD-13PV-12A	12A	12	120	220057
GD-13PV-15A	15A	14	170	220058
GD-13PV-16A	16A	20	280	220059
GD-13PV-20A	20A	34	400	220060
GD-13PV-25A	25A	65	550	220061
GD-13PV-30A	30A	85	680	220062
GD-13PV-32A	32A	90	720	220063
GD-13PV-35A	35A	110	750	220064
GD-13PV-40A	40A	125	800	220065
GD-13PV-45A	45A	135	850	220066
GD-13PV-50A	50A	155	920	220067

WWW.LUXSOLAR.HU GA&DA Better life, better electricity

GDPV-50L/50LZ/50D/50DZ

1000V/1500V DC 50A

GDPV-50L

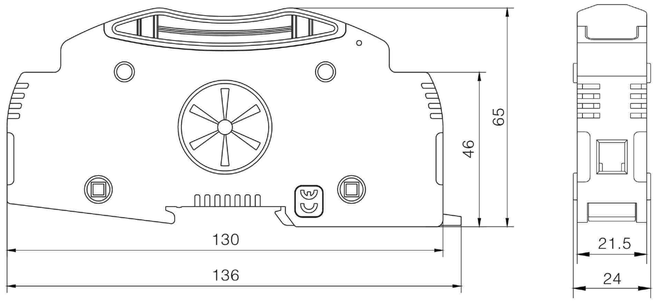


GDPV-50L 50A 1000V/1500V DC (10X85/14X85mm)
GDPV-50LZ 50A 1000V/1500V DC (Status indication)

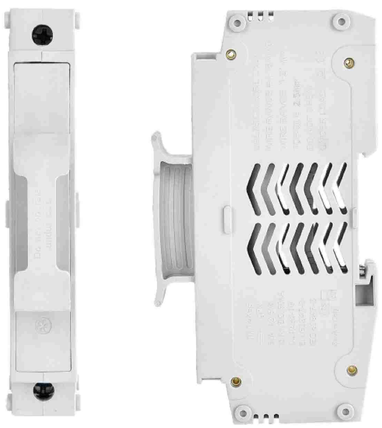
Photovoltaic Fuse

- Rated Voltage:1000V/1500V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Order number: GDPV-50L(220068),GDPV-50LZ(220069)

Dimensions-mm



GDPV-50D

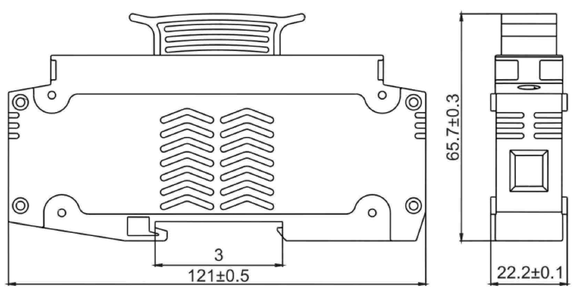


GDPV-50D 50A 1000V/1500V DC (10X85/14X85mm)
GDPV-50DZ 50A 1000V/1500V DC (Status indication)

Photovoltaic Fuse

- Rated Voltage:1000V/1500V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Order number: GDPV-50D(220070),GDPV-50DZ(220071)

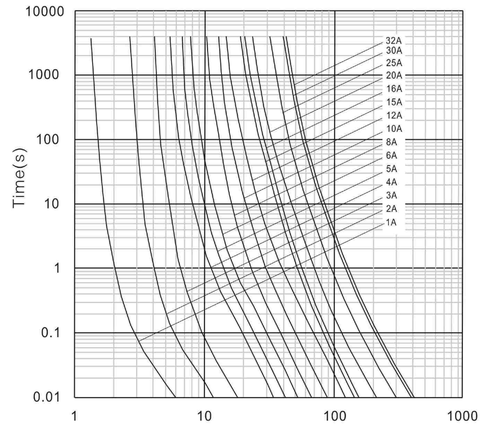
Dimensions-mm



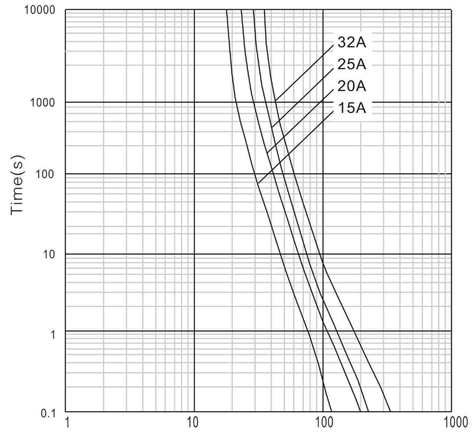
Time Current Curve

GD-10PV/11PV/12PV/13PV/14PV/15PV

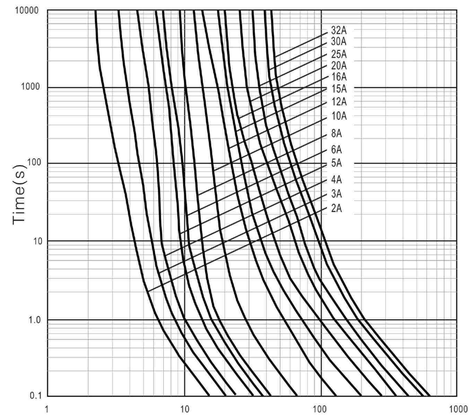
Time Current Curve



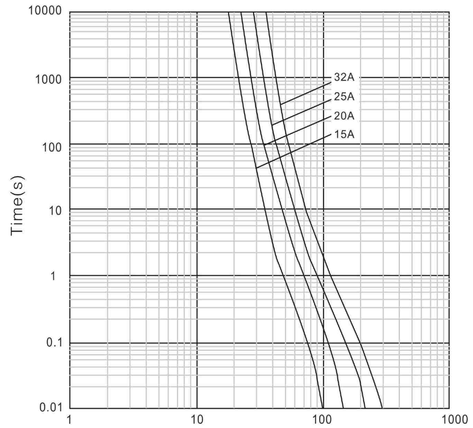
GD-10PV Prospective current (A RMS)



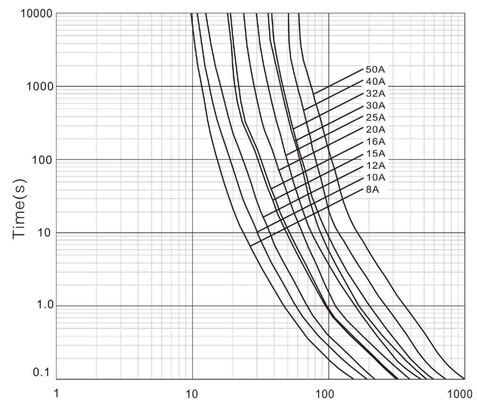
GD-11PV Prospective current (A RMS)



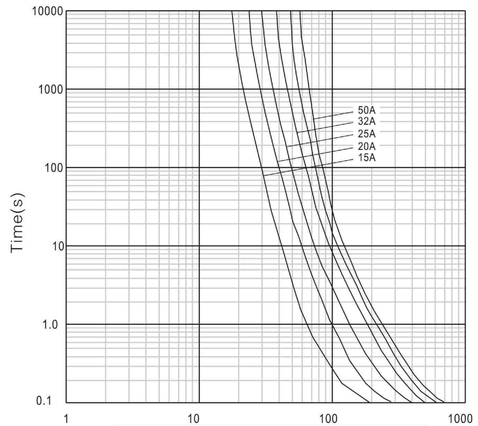
GD-12PV Prospective current (A RMS)



GD-14PV Prospective current (A RMS)



GD-13PV Prospective current (A RMS)



GD-15PV Prospective current (A RMS)

GD-H0/H1/H2/H3PV

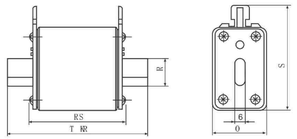
1000V DC 16A-400A

GD-H00PV	50-125A	1000V DC	Adapter base:GDPV-H0B
GD-H1PV	80-200A	1000V DC	Adapter base:GDPV-H1B
GD-H2PV	200-315A	1000V DC	Adapter base:GDPV-H2B
GD-H3PV	315-500A	1000V DC	Adapter base:GDPV-H3B

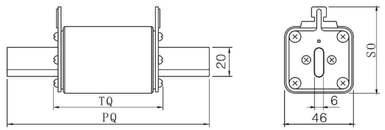
Photovoltaic Fuse

- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Breaking Capacity: 50kA
- Time Constant: 1-3ms

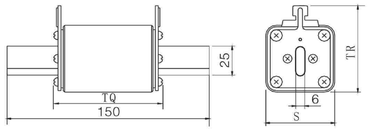
Dimensions-mm



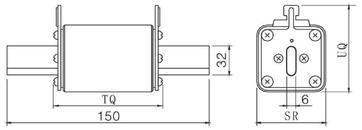
GD-H0PV



GD-H1PV



GD-H2PV



GD-H3PV

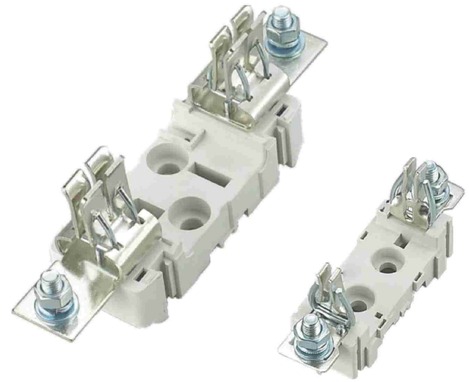
Order Code

Type	GDPV-H00PV/50A	GDPV-H00PV/63A	GDPV-H00PV/80A	GDPV-H00PV/100A	GDPV-H00PV/125A
Order Code	220097	220098	220099	220100	220101
Type	GDPV-H1PV/80A	GDPV-H1PV/100A	GDPV-H1PV/125A	GDPV-H1PV/160A	GDPV-H1PV/200A
Order Code	220102	220103	220104	220105	220106
Type	GDPV-H2PV/200A	GDPV-H2PV/225A	GDPV-H2PV/250A	GDPV-H3PV/315A	GDPV-H3PV/350A
Order Code	220107	220108	220109	220110	220111
Type	GDPV-H3PV/400A	GDPV-H3PV/500A			
Order Code	220112	220113			

GDPV-H0/H1/H2/H3B

1000V DC 16A-400A

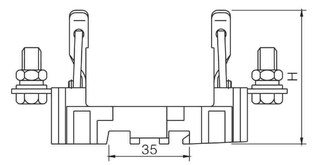
GDPV-H00B	1000V DC	Adapter fuse:GD-H00PV
GDPV-H1B	1000V DC	Adapter fuse:GD-H1PV
GDPV-H2B	1000V DC	Adapter fuse:GD-H2PV
GDPV-H3B	1000V DC	Adapter fuse:GD-H3PV

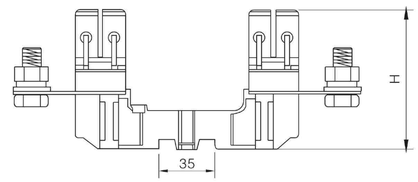


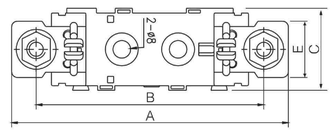
Photovoltaic Fuse

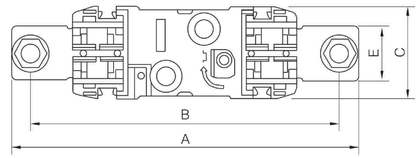
- Rated Voltage:1000V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19

Dimensions-mm









Type	Applicable fuse link	Rated current	Rated current	Size				
				A	B	C	E	H
GDPV-H0B	CF-H0PV	1000V DC	160A	119	0	34	23	57
GDPV-H1B	CF-H0PV	1000V DC	250A	0 U	176	58	32	82
GDPV-H2B	CF-H0PV	1000V DC	400A	224	U	58	35	89
GDPV-H3B	CF-H0PV	1000V DC	630A	239	207	58	40	106

Order Code

Type	GDPV-H0B
Order Code	220114
Type	GDPV-H1B
Order Code	220115
Type	GDPV-H2B
Order Code	220116
Type	GDPV-H3B
Order Code	220117

GD-H1L/H2L/H3LPV

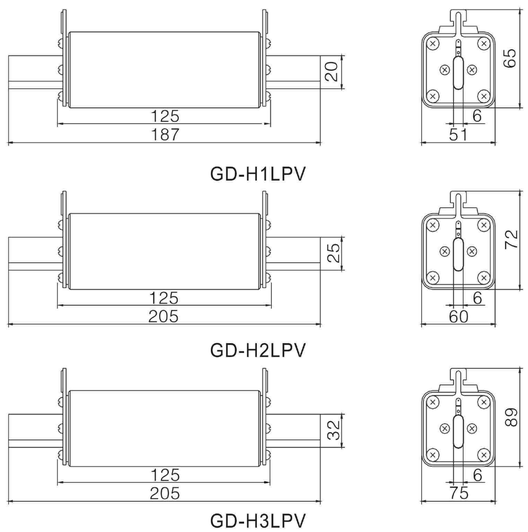
1500V DC 63A-500A

GD-H1LPV	63-250A	1500V DC	Adapter base:GDPV-H1LB
GD-H2LPV	250-400A	1500V DC	Adapter base:GDPV-H2LB
GD-H3LPV	400-500A	1500V DC	Adapter base:GDPV-H3LB

Photovoltaic Fuse

- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Breaking Capacity: 30kA
- Time Constant: 1-3ms

Dimensions-mm



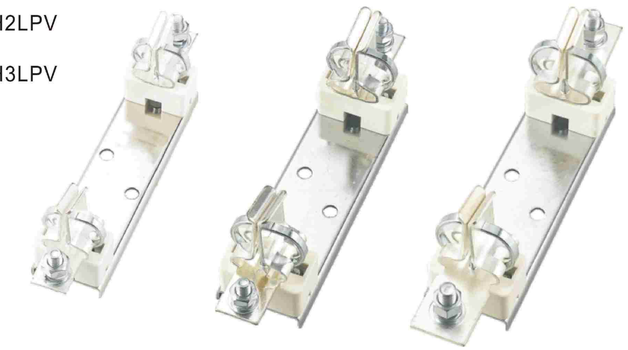
Order Code

Type	GDPV-H1LPV/63A	GDPV-H1LPV/80A	GDPV-H1LPV/100A	GDPV-H1LPV/125A	GDPV-H1LPV/160A
Order Code	220118	220119	220120	220121	220122
Type	GDPV-H1LPV/180A	GDPV-H1LPV/200A	GDPV-H1LPV/225A	GDPV-H1LPV/250A	GDPV-H2LPV/250A
Order Code	220123	220124	220125	220126	220127
Type	GDPV-H2LPV/315A	GDPV-H2LPV/400A	GDPV-H3LPV/400A	GDPV-H3LPV/500A	GDPV-H3LPV/630A
Order Code	220128	220129	220130	220131	220132

GDPV-H1L/H2L/H3LB

1500V DC 630A

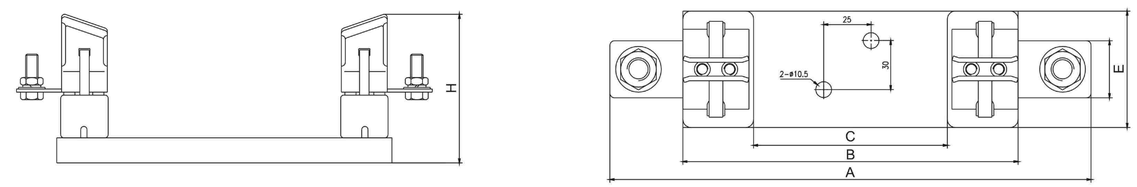
GDPV-H1LB	1500V DC	Adapter fuse:GD-H1LPV
GDPV-H2LB	1500V DC	Adapter fuse:GD-H2LPV
GDPV-H3LB	1500V DC	Adapter fuse:GD-H3LPV



Photovoltaic Fuse

- Rated Voltage:1500V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19

Dimensions-mm



Type	Applicable fuse link	Rated current	Rated current	Size				
				A	B	C	E	H
GDPV-H1LB	CF-H1LPV	1500V DC	250A	247	190	129	52	91
GDPV-H2LB	CF-H2LPV	1500V DC	400A	278	210	135	63	104
GDPV-H3LB	CF-H3LPV	1500V DC	630A	300	210	135	63	108

Order Code

Type	GDPV-H1LB
Order Code	220133
Type	GDPV-H2LB
Order Code	220134
Type	GDPV-H3LB
Order Code	220135

Cylindrical Fuse Links

10*38/14*51/22*58 2A-125A

Cylindrical Fuse Link

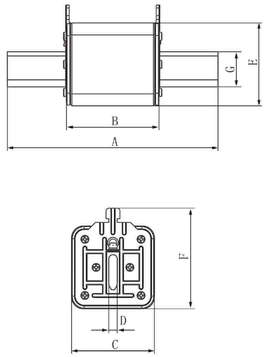
- Class of Operation: gG/aR
- Standard: IEC 60269 UL248
- Breaking Capacity: 50/100/120kA
- Time Constant: 1-3ms

Type(gG)	Order Code	Type(aR)	Order Code	Domestic and overseas similar products		Rated Current In	Rated voltage Un
				gG	aR		
RT16-00/4A	220223	RS31/4A	220263	NT00 NH00 RT20-00 3NA	RS31	4A	500/690V AC 250V DC
RT16-00/6A	220224	RS31/6A	220264			6A	500/690V AC 250V DC
RT16-00/8A	220225	RS31/8A	220265			8A	500/690V AC 250V DC
RT16-00/10A	220226	RS31/10A	220266			10A	500/690V AC 250V DC
RT16-00/12A	220227	RS31/12A	220267			12A	500/690V AC 250V DC
RT16-00/16A	220228	RS31/16A	220268			16A	500/690V AC 250V DC
RT16-00/20A	220229	RS31/20A	220269			20A	500/690V AC 250V DC
RT16-00/25A	220230	RS31/25A	220270			25A	500/690V AC 250V DC
RT16-00/32A	220231	RS31/32A	220271			32A	500/690V AC 250V DC
RT16-00/40A	220232	RS31/40A	220272			40A	500/690V AC 250V DC
RT16-00/50A	220233	RS31/50A	220273			50A	500/690V AC 250V DC
RT16-00/63A	220234	RS31/63A	220274			63A	500/690V AC 250V DC
RT16-00/80A	220235	RS31/80A	220275			80A	500/690V AC 250V DC
RT16-00/100A	220236	RS31/100A	220276			100A	500/690V AC 250V DC
RT16-00/125A	220237	RS31/125A	220277			125A	500V AC 250V DC
RT16-00/160A	220238	RS31/160A	220278			160A	500V AC 250V DC
RT16-1/32A	220239	RS32/32A	220279	NT1 NH1	RS32	32A	500/690V AC 440V DC
RT16-1/40A	220240	RS32/40A	220280			40A	500/690V AC 440V DC
RT16-1/50A	220241	RS32/50A	220281			50A	500/690V AC 440V DC
RT16-1/63A	220242	RS32/63A	220282			63A	500/690V AC 440V DC
RT16-1/80A	220243	RS32/80A	220283			80A	500/690V AC 440V DC
RT16-1/100A	220244	RS32/100A	220284			100A	500/690V AC 440V DC
RT16-1/125A	220245	RS32/125A	220285			125A	500/690V AC 440V DC
RT16-1/160A	220246	RS32/160A	220286			160A	500/690V AC 440V DC
RT16-1/200A	220247	RS32/200A	220287			200A	500/690V AC 440V DC
RT16-1/225A	220248	RS32/225A	220288			225A	500V AC 440V DC
RT16-1/250A	220249	RS32/250A	220289			250A	500V AC 440V DC
RT16-2/80A	220250	RS33/80A	220290	NT2 NH2	RS33	80A	500/690V AC 440V DC
RT16-2/100A	220251	RS33/100A	220291			100A	500/690V AC 440V DC
RT16-2/125A	220252	RS33/125A	220292			125A	500/690V AC 440V DC
RT16-2/160A	220253	RS33/160A	220293			160A	500/690V AC 440V DC
RT16-2/200A	220254	RS33/200A	220294			200A	500/690V AC 440V DC
RT16-2/250A	220255	RS33/250A	220295			250A	500/690V AC 440V DC
RT16-2/315A	220256	RS33/315A	220296			315A	500/690V AC 440V DC
RT16-2/350A	220257	RS33/350A	220297			350A	500/690V AC 440V DC
RT16-2/400A	220258	RS33/400A	220298			400A	500/690V AC 440V DC
RT16-3/315A	220259	RS34/315A	220299	NT3 NH3	RS34	315A	500/690V AC 440V DC
RT16-3/400A	220260	RS34/400A	220300			400A	500/690V AC 440V DC
RT16-3/500A	220261	RS34/500A	220301			500A	500/690V AC 440V DC
RT16-3/630A	220262	RS34/630A	220302			630A	500V AC 440V DC

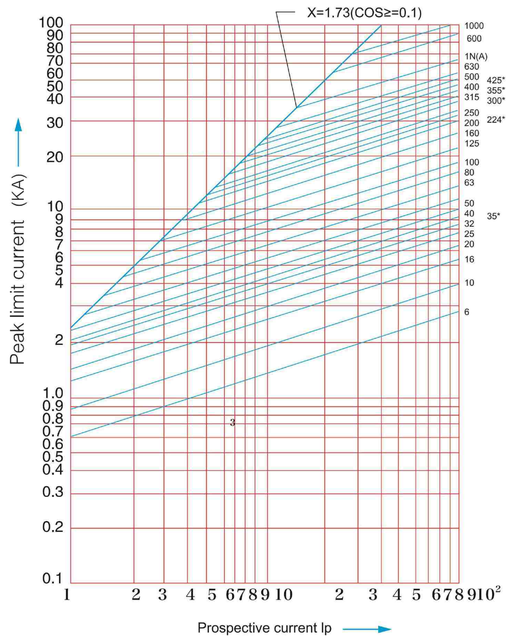
Cylindrical Fuse Links
10*38/14*51/22*58 2A-125A

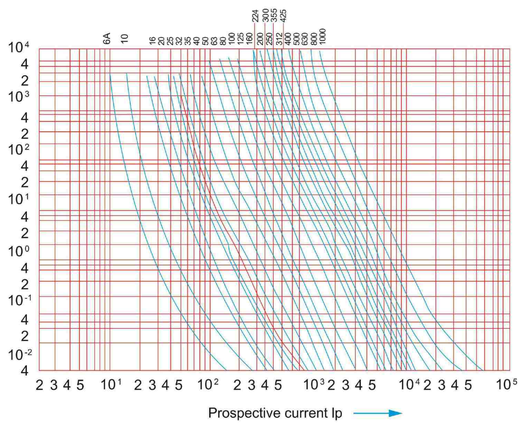
Fuse Size

Item No.	Rated Voltage Un	Breaking Capacity (with Fuse)	Overall Dimensions mm A	B	C	D	E	F	G
RT16-00 (NT00/NH00)	500VAC 690VAC 250VDC	120kA(500VAC) 50kA(690VAC) 100kA(250VDC)	78±0.5	50	29	6	47	58	15
RT16-1(NT1/NH1)	500VAC 690VAC 440VDC	120kA(500VAC) 50kA(690VAC) 100kA(440VDC)	134±0.5	66	46	6	46	60	20
RT16-2(NT2/NH2)	500VAC 690VAC 440VDC	120kA(500VAC) 50kA(690VAC) 100kA(440VDC)	150±0.5	66	59	6	59	72	25
RT16-3(NT3/NH3)	500VAC 690VAC 440VDC	120kA(500VAC) 50kA(690VAC) 100kA(440VDC)	150±0.5	66	68	6	68	83	32



characteristic curve





GDHR18 Disconnector and fuse disconnector

160A-630A 1P/2P/3P/4P

Cylindrical Fuse Link

- GDHR18 series fuse disconnector can be operated with load, and is applicable to rated current of 40A~630A. It also provides upper and lower input and output structures, with knife edge lead-in and arc extinguishing devices; It can be equipped with fuse monitor or used as knife switch, which conforms to IEC60947-3 standard.

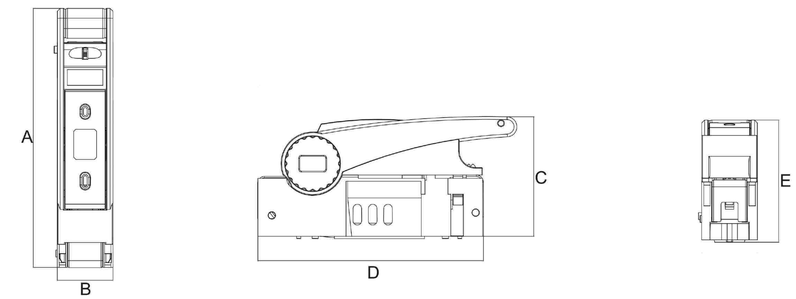
Main technical parameters

Type		GDHR18-160		GDHR18-250		/		/	
With fuse	Rated operational Voltage Ue	AC400	AC690	AC400	AC690	AC400	AC690	AC400	AC690
	Rated operational current Ie	160A	100A	250A	200A	400A	315A	630A	500A
	Rated Insulation Voltage Ui	1000V							
	Agreed heating current Ith	160A	100A	250A	200A	400A	315A	630A	500A
	Rated impulse withstand Voltage Uimp	12kV							
	Rated limiting short-circuit current Iq	100kA	50kA	100kA	50kA	100kA	50kA	100kA	50kA
	Use Category	AC-23B(AC400)/AC-21B(AC690)							
With isolating knife	Electrical operating life	200 times							
	Rated operational Voltage Ue	AC380V		AC380V		AC400V		AC400V	
	Rated operational current Ie	160A		250A		400A		630A	
	Rated Insulation Voltage Ui	690V				1000V			
	Agreed heating current Ith	160A		250A		400A		630A	
	Rated impulse withstand Voltage Uimp	8kV				12kV			
	Rated short-time withstand current Icw	8kA/1s		10kA/1s		15kA/1s			
	Use Category	AC-21B				AC-23B			
	Electrical operating life	200 times							
Common parameters	Rated frequency	50/60HZ							
	Number of poles	3Pole							
FUSE	Fuse size	RT16-00(NH00)		RT16-1(NH1)		RT16-2(NH2)		RT16-3(NH3)	
	Rated operational current Ie	160A	100A	250A	200A	400A	315A	630A	500A
	Power waste P	12W		18W	32W	28W	45W	40W	50W
Mechanism	Mechanical life	1000 times				800 times			
Degree of protection(positive)		On: IP20/Off: IP30							

GDHR18 Disconnector and fuse disconnector

160A-630A 1P/2P/3P/4P

Base Size



Type	Pole	Overall dimensions(mm)				
		A	B	C	D	E
GDHR18-160-1P	1	93	21	44	81	44
GDHR18-160-2P	2	93	42	44	81	44
GDHR18-160-3P	3	93	63	44	81	44
GDHR18-160-4P	4	93	84	44	81	44
GDHR18-250-1P	1	93	21	44	81	44
GDHR18-250-2P	2	93	42	44	81	44
GDHR18-250-3P	3	93	21	44	81	44
GDHR18-250-4P	4	93	42	44	81	44
GDHR18-400-1P	1	/	/	/	/	/
GDHR18-400-2P	2	/	/	/	/	/
GDHR18-400-3P	3	/	/	/	/	/
GDHR18-400-4P	4	/	/	/	/	/
GDHR18-630-1P	1	/	/	/	/	/
GDHR18-630-2P	2	/	/	/	/	/
GDHR18-630-3P	3	/	/	/	/	/
GDHR18-630-4P	4	/	/	/	/	/

Type	GDHR18-160-1P	GDHR18-160-2P	GDHR18-160-3P	GDHR18-160-4P
Order Code	220263	220264	220265	220266
Type	GDHR18-250-1P	GDHR18-250-2P	GDHR18-250-3P	GDHR18-250-4P
Order Code	220267	220268	220269	220270
Type	GDHR18-400-1P	GDHR18-400-2P	GDHR18-400-3P	GDHR18-400-4P
Order Code	/	/	/	/
Type	GDHR18-630-1P	GDHR18-630-2P	GDHR18-630-3P	GDHR18-630-4P
Order Code	/	/	/	/

HR17 Disconnector and fuse disconnector

160A-630A 3P

Cylindrical Fuse Link

- HR17 series fuse disconnector can be operated with load, and is applicable to rated current of 40A~630A. It also provides upper and lower input and output structures, with knife edge lead-in and arc extinguishing devices; It can be equipped with fuse monitor or used as knife switch, which conforms to IEC60947-3 standard.

Main technical parameters

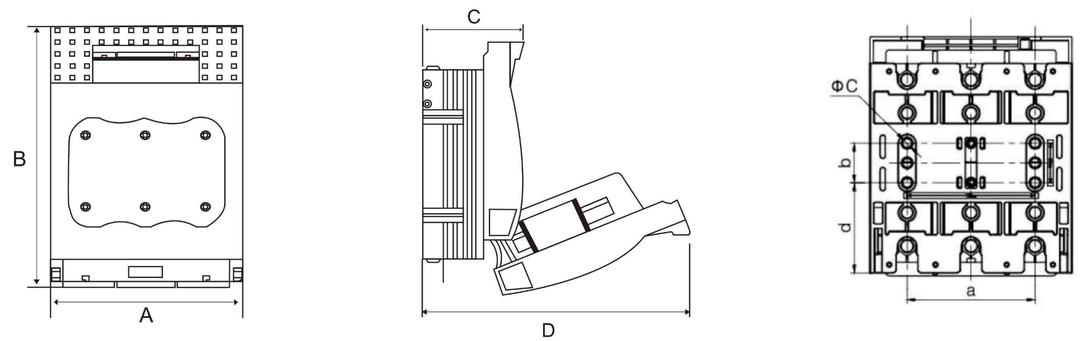
Type		HR17-160		HR17-250		HR17-400		HR17-630	
With fuse	Rated operational Voltage Ue	AC400	AC690	AC400	AC690	AC400	AC690	AC400	AC690
	Rated operational current Ie	160A	100A	250A	200A	400A	315A	630A	500A
	Rated Insulation Voltage Ui	1000V							
	Agreed heating current Ith	160A	100A	250A	200A	400A	315A	630A	500A
	Rated impulse withstand Voltage Uimp	12kV							
	Rated limiting short-circuit current Iq	100kA	50kA	100kA	50kA	100kA	50kA	100kA	50kA
	Use Category	AC-23B(AC400)/AC-21B(AC690)							
With isolating knife	Electrical operating life	200 times							
	Rated operational Voltage Ue	AC380V		AC380V		AC400V		AC400V	
	Rated operational current Ie	160A		250A		400A		630A	
	Rated Insulation Voltage Ui	690V				1000V			
	Agreed heating current Ith	160A		250A		400A		630A	
	Rated impulse withstand Voltage Uimp	8kV				12kV			
	Rated short-time withstand current Icw	8kA/1s		10kA/1s		15kA/1s			
	Use Category	AC-21B				AC-23B			
	Electrical operating life	200 times							
Common parameters	Rated frequency	50/60HZ							
	Number of poles	3Pole							
FUSE	Fuse size	RT16-00(NH00)		RT16-1(NH1)		RT16-2(NH2)		RT16-3(NH3)	
	Rated operational current Ie	160A	100A	250A	200A	400A	315A	630A	500A
	Power waste P	12W		18W	32W	28W	45W	40W	50W
Mechanism	Mechanical life	1000 times				800 times			

HR17 Disconnector and fuse disconnector

160A-630A 3P

Degree of protection(positive)		On: IP20/Off: IP30
Other	The micro switch	Optional
Working conditions	Working temperature	-5℃~+40℃
	Rated working system	Continuous working system
	Operation method	Handle operation
	Installation method	Vertical installation
	Altitude	≤2000m
	Installation category	Ⅲ, Ⅳ
	Class of pollution	3
	Transportation and storage	-25℃~+55℃

Base Size



Type	Pole	Overall dimensions(mm)				Installation dimensions(mm)			
		A	B	C	D	a	b	c	d
HR17-160-3P	3	160	200	83	205	66	25	7	70
HR17-250-3P	3	185	247	110	295	114	50	11	82
HR17-400-3P	3	210	290	125	340	130	50	11	105.5
HR17-630-3P	3	256	300	145	360	162	50	11	114

Order Code

Type	HR17-160-3P	HR17-250-3P	HR17-400-3P	HR17-630-3P
Order Code	220271	220272	220273	220274

GD-14PV/PVS/GD-15PV

1000V/1500V DC 15A-50A

GD-14PV 14X51mm 15A-50A 1000V DC

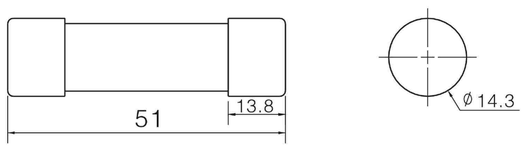
GD-14PVS 14X51mm 15A-35A 1500V DC

GD-15PV 22X58mm 30A-50A 1500V DC

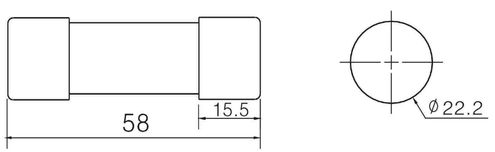
Photovoltaic Fuse

- Fuse Size: 14x51mm 22x58mm
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Breaking Capacity: 20kA
- Time Constant: 1-3ms
- Base: GDPV-50B, GDPV-22B

Dimensions-mm



GD-14PV/PVS



GD-15PV

Type	Rated current	Energy Integrals I²t（A²s）		Order number
		Pre-arcing	Total	
GD-14PV/PVS-15A	15A	330	275	220072/220073
GD-14PV/PVS-16A	16A	330	275	220074/220075
GD-14PV/PVS-20A	20A	220	578	220076/220077
GD-14PV/PVS-25A	25A	275	956	220078/220079
GD-14PV/PVS-30A	30A	380	1160	220080/220081
GD-14PV/PVS-32A	32A	405	1830	220082/220083
GD-14PV/PVS-35A	35A	405	1830	220084/220085
GD-14PV-40A	40A	600	2430	220086
GD-14PV-45A	45A	750	2650	220087
GD-14PV-50A	50A	850	3050	220088
GD-15PV-30A	30A	380	1160	220089
GD-15PV-32A	32A	405	1830	220090
GD-15PV-35A	35A	405	1830	220091
GD-15PV-40A	40A	750	3450	220092
GD-15PV-45A	45A	900	4250	220093
GD-15PV-50A	50A	1020	5050	220094

GD-14/15PV Fuse Base

1000V/1500V DC 15A-50A

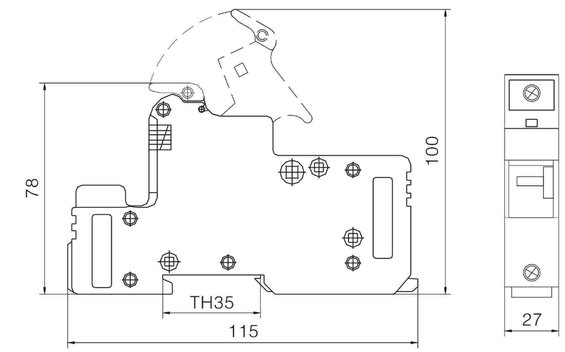
GDPV-50B

GDPV-50B 50A 1000V DC (14X51mm)

Photovoltaic Fuse

- Rated Voltage:1000V/1500V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Order number: GDPV-50B(220095)

Dimensions-mm



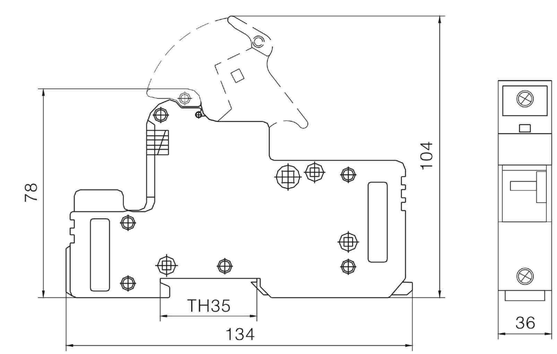
GDPV-22B

GDPV-22B 50A 1500V DC (22X58mm)

Photovoltaic Fuse

- Rated Voltage:1000V/1500V DC
- Class of Operation: gPV
- Standard: IEC 60269-6 UL248-19
- Order number: GDPV-22B(220096)

Dimensions-mm



Cylindrical Fuse Links

10*38/14*51/22*58 2A-125A

Cylindrical Fuse Link

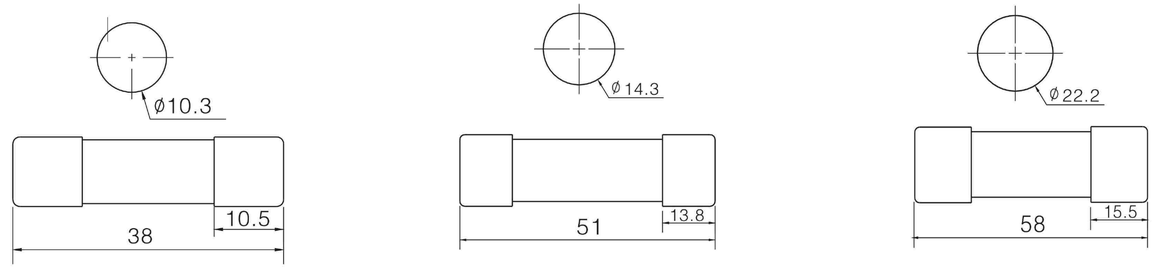
- Class of Operation: gG/aR
- Standard: IEC 60269 UL248
- Breaking Capacity: 50/100kA
- Time Constant: 1-3ms

Cylindrical Fuse Link

Type(gG)	Order Code	Type(aR)	Order Code	Rated Current In	Rated voltage Un	Fuse Size	Base
RO15/2A	220136	RS15/2A	220169	2A	500/690V AC	10X38mm	RT18-32(Z)
RO15/4A	220137	RS15/4A	220170	4A	500/690V AC	10X38mm	RT18-32(Z)
RO15/6A	220138	RS15/6A	220171	6A	500/690V AC	10X38mm	RT18-32(Z)
RO15/8A	220139	RS15/8A	220172	8A	500/690V AC	10X38mm	RT18-32(Z)
RO15/10A	220140	RS15/10A	220173	10A	500/690V AC	10X38mm	RT18-32(Z)
RO15/16A	220141	RS15/16A	220174	16A	500/690V AC	10X38mm	RT18-32(Z)
RO15/20A	220142	RS15/20A	220175	20A	500V AC	10X38mm	RT18-32(Z)
RO15/25A	220143	RS15/25A	220176	25A	500V AC	10X38mm	RT18-32(Z)
RO15/32A	220144	RS15/32A	220177	32A	500V AC	10X38mm	RT18-32(Z)
RO16/2A	220145	RS16/2A	220178	2A	500/690V AC	14X51mm	RT18-63(Z)
RO16/4A	220146	RS16/4A	220179	4A	500/690V AC	14X51mm	RT18-63(Z)
RO16/6A	220147	RS16/6A	220180	6A	500/690V AC	14X51mm	RT18-63(Z)
RO16/8A	220148	RS16/8A	220181	8A	500/690V AC	14X51mm	RT18-63(Z)
RO16/10A	220149	RS16/10A	220182	10A	500/690V AC	14X51mm	RT18-63(Z)
RO16/12A	220150	RS16/12A	220183	12A	500/690V AC	14X51mm	RT18-63(Z)
RO16/16A	220151	RS16/16A	220184	16A	500/690V AC	14X51mm	RT18-63(Z)
RO16/20A	220152	RS16/20A	220185	20A	500/690V AC	14X51mm	RT18-63(Z)
RO16/25A	220153	RS16/25A	220186	25A	500/690V AC	14X51mm	RT18-63(Z)
RO16/32A	220154	RS16/32A	220187	32A	500/690V AC	14X51mm	RT18-63(Z)
RO16/40A	220155	RS16/40A	220188	40A	500V AC	14X51mm	RT18-63(Z)
RO16/50A	220156	RS16/50A	220189	50A	500V AC	14X51mm	RT18-63(Z)
RO16/63A	220157	RS16/63A	220190	63A	500V AC	14X51mm	RT18-63(Z)
RO17/10A	220158	RS17/10A	220191	10A	500/690V AC	22X58mm	RT18-125(Z)
RO17/16A	220159	RS17/16A	220192	16A	500/690V AC	22X58mm	RT18-125(Z)
RO17/20A	220160	RS17/20A	220193	20A	500/690V AC	22X58mm	RT18-125(Z)
RO17/25A	220161	RS17/25A	220194	25A	500/690V AC	22X58mm	RT18-125(Z)
RO17/32A	220162	RS17/32A	220195	32A	500/690V AC	22X58mm	RT18-125(Z)
RO17/40A	220163	RS17/40A	220196	40A	500/690V AC	22X58mm	RT18-125(Z)
RO17/50A	220164	RS17/50A	220197	50A	500/690V AC	22X58mm	RT18-125(Z)
RO17/63A	220165	RS17/63A	220198	63A	500V AC	22X58mm	RT18-125(Z)
RO17/80A	220166	RS17/80A	220199	80A	500V AC	22X58mm	RT18-125(Z)
RO17/100A	220167	RS17/100A	220200	100A	500V AC	22X58mm	RT18-125(Z)
RO17/125A	220168	RS17/125A	220201	125A	500V AC	22X58mm	RT18-125(Z)

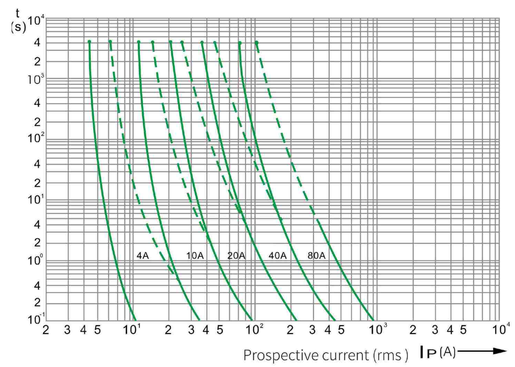
Cylindrical Fuse Links
10*38/14*51/22*58 2A-125A

Fuse Size

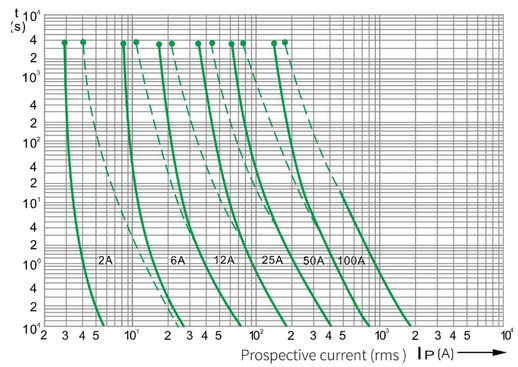


RO15/RS15 RO16/RS16 RO17/RS17

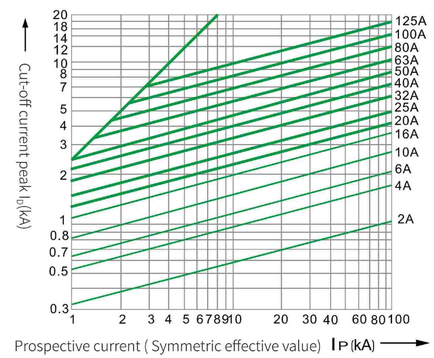
characteristic curve



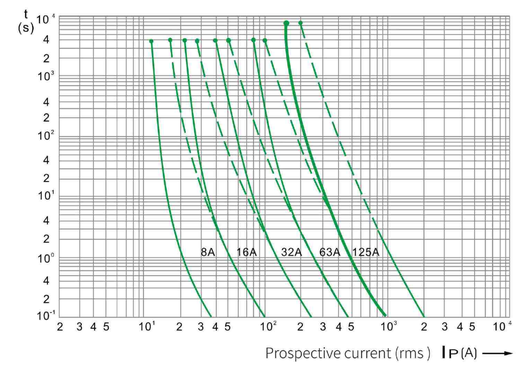
"gG" fuse time-current characteristics



"gG" fuse time-current characteristics



"gG"fuse link cut-off current characteristic curve



"gG" fuse time-current characteristics

Cylindrical Fuse Base

10*38/14*51/22*58 2A-125A

Cylindrical Fuse Link

Type	GD18-32	GD18-32Z	RT18-32	RT18-32Z	RT18-63	RT18-63Z	RT18-125	RT18-125Z
Instructions	NO	HAVE	NO	HAVE	NO	HAVE	NO	HAVE
Fuse size	10X38mm		10X38mm		14X51mm		22X58mm	
Mounting method	DIN rail installation							
Wiring Range	0.75-25mm²		0.75-25mm²		1.5-35mm²		4-50mm²	
Rated operational current Ie	32A		32A		63A		125A	
Rated operational Voltage Ue	400/690V							
Rated Insulation Voltage Ui	800V							
Rated impulse withstand Voltage Uimp	6kV							
Breaking capacity with fuse	100kA(500V AC)/50kA(690V AC)							
Utilization category	AC-22B							AC-20B
IP Degree	IP20							
Reference standard	IEC 60269-2,UL 248-19							

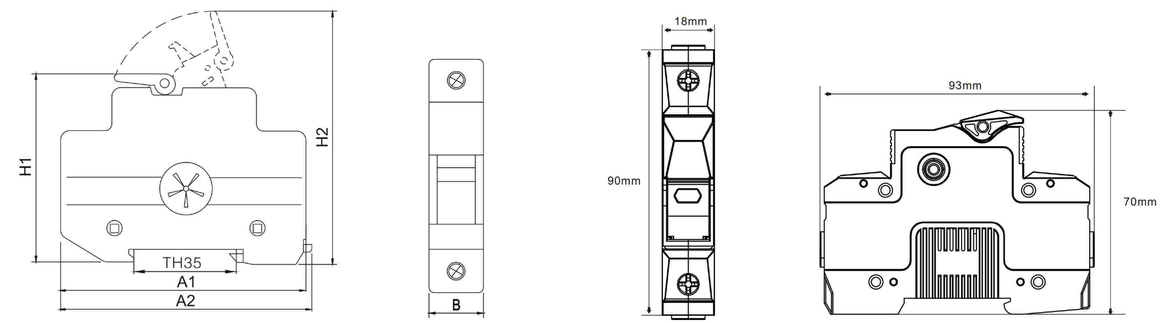
Order Code

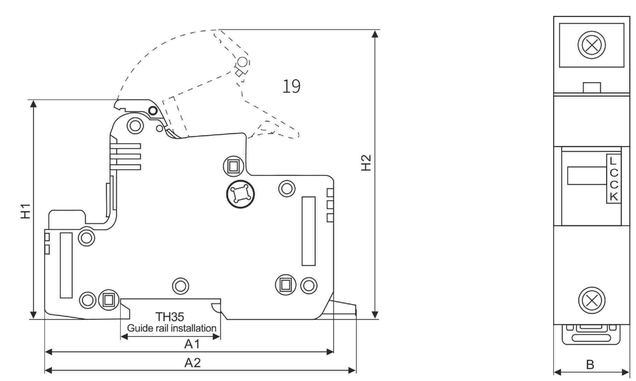
Type	RT18-32/1P	RT18-32Z/1P	RT18-32/2P	RT18-32Z/2P	RT18-32/3P
Order Code	220202	220203	220204	220205	220206
Type	RT18-32Z/3P	RT18-32/4P	RT18-63/1P	RT18-63Z/1P	RT18-63/2P
Order Code	220207	220208	220209	220210	220211
Type	RT18-63Z/2P	RT18-63/3P	RT18-63Z/3P	RT18-63/4P	RT18-125/1P
Order Code	220212	220213	220214	220215	220216
Type	RT18-125Z/1P	RT18-125/2P	RT18-125Z/2P	RT18-125/3P	RT18-125Z/3P
Order Code	220217	220218	2202219	220220	220221
Type	RT18-125/4P	GD18-32/1P	GD18-32Z/1P	GD18-32/2P	GD18-32Z/2P
Order Code	220222	220294	220295	220296	220297
Type	GD18-32/3P	GD18-32Z/3P	GD18-32/4P	GD18-32Z/4P	
Order Code	220298	220299	220300	220301	

Cylindrical Fuse Base
10*38/14*51/22*58 2A-125A

Base Size

Product model	Applicable fuse link size	Rated Voltage (V)	Rated current (A)	Overall dimension (mm)				
				A1	A2	B	H1	H2
RT18-32(Z)	10×38	500	32	79	81	18	61	80
RT18-63(Z)	14×51	500	63	103	105	27	80	110



GD18-32

No.	Model of poroduct	Applicable fuse link size	Rated Voltage (V)	Rated current (A)	Overall dimension (mm)				
					A1	A2	B	H1	H2
18071-1	RT18-125 (Z)	22×58	690	125	126	134	36	78	104