

Page 18-4

TYPE 1 AND 2 MONOBLOCK Iimp=25kA
- 1P, 1P+N, 2P, 3P, 3P+N, 4P
- IEC impulse current Iimp (10/350µs): 25kA
- IEC maximum discharge current Imax (8/20µs): 100kA
- SPD status indicator
- Versions with output for remote status indication
- Version with integrated fuse and “no leakage current” available.



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TYPE 1 AND 2 Iimp=12.5kA
- 1P, 1P+N, 2P, 3P, 3P+N, 4P
- IEC impulse current Iimp (10/350µs): 12.5kA
- IEC maximum discharge current Imax (8/20µs):
  - 40kA for versions with plug-in cartridge
  - 50kA for monoblock versions
- Single module status indicator
- Versions with output for remote status indication.



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TYPE 1CA/OPEN-TYPE 1 UL-CERTIFIED WITH PLUG-IN CARTRIDGE
- 3P
- IEC impulse current Iimp (10/350µs): 5...12.5kA
- IEC rated discharge current In (8/20µs): 20kA
- IEC maximum discharge current Imax (8/20µs): 50kA
- Maximum continuous voltage Uc: 300...750VAC
- Versions with output for remote status indication.



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TYPE 2 WITH PLUG-IN CARTRIDGE In=20kA
- 1P, 1P+N, 2P, 3P, 3P+N, 4P
- IEC maximum discharge current Imax (8/20µs): 50kA
- IEC rated discharge current In (8/20µs): 20kA
- Single module status indicator
- Versions with or without output for remote status indication.



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TYPE 2 WITH PLUG-IN CARTRIDGE In=5kA
- 1P, 1P+N, 2P, 3P, 3P+N, 4P
- IEC maximum discharge current Imax (8/20µs): 15kA
- IEC rated discharge current In (8/20µs): 5kA
- Single module status indicator
- Versions with or without output for remote status indication.



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TYPE 3 WITH PLUG-IN CARTRIDGE Uoc/Icw=10kV/5kA
- 1P+N
- Version with plug-in cartridge:
  - IEC rated current In (8/20µs): 5kA
  - SPD status indicator
  - output for remote status indication
- Acoustic or optical intervention indicator.



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TYPE 3 COMPACT VERSIONS Uoc/Icw=6kV/3kA
- 1P+N
- Compact versions:
  - IEC rated current In (8/20µs): 3kA
  - Combined impulse Uoc: 6kV
- Acoustic or optical intervention indicator.



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TYPE C2-D1 FOR DATA AND SIGNAL LINES In=10kA
- Versions for RS485 and BUS 24VDC lines:
  - C2 rated current In (8/20µs): 10kA
  - D1 impulse current Iimp (10/350µs): 2.5kA
  - Output for remote status indication
- Version for Cat.6 Ethernet line - POE
  - C2 rated current In (8/20µs): 10kA
  - D1 impulse current Iimp (10/350µs): 1kA.
- Versions for telephone line:
  - C2 rated current In (8/20µs): up to 20kA
  - D1 impulse current Iimp (10/350µs): up to 7.5kA
  - Output for remote status indication.



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TYPE 1 AND 2 AND TYPE 2 WITH PLUG-IN CARTRIDGE FOR PHOTOVOLTAIC APPLICATIONS
- Versions with plug-in cartridge: +, -, PE
- IEC maximum operational voltage: 1500VDC
- IEC maximum discharge current Imax (8/20µs): 40kA
- IEC rated discharge current In (8/20µs): 20kA
- Single module status indicator
- Versions with or without output for remote status indication
- Tested according to EN/BS 50539-11.

Lovato electric

Monoblock limp=25kA



SA1B1PA320R



SA1B3NA320R

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
		(SPDT)		n°	[kg]
MONOBLOCK VERSION. IEC impulse current limp (10/350µs) 25kA per pole.					
SA1B1PA320R	1P	YES	2	1	0.275
SA1B1NA320R	1P+N	YES	4	1	0.390
SA1B2PA320R	2P	YES	4	1	0.395
SA1B3PA320R	3P	YES	6	1	0.595
SA1B3NA320R	3P+N	YES	8	1	0.760
SA1B4PA320R	4P	YES	8	1	0.780

General characteristics
The surge protection device type SA1B combines the performance of SPD type 1 and 2 into a single product.It protects against direct and indirect lightning strikes as well as induced overvoltage conditions. It can be installed in areas with a high risk of direct lightning strikes, inside main distribution boards or nearby sub-distribution boards.

Operational characteristics
- IEC maximum continuous operating voltage Uc: 320VAC
- IEC maximum discharge current Imax (8/20µs): 100kA per pole
- IEC rated discharge current In (8/20µs): 25kA per pole
- Version with relay output having changeover contact for remote status indication
- IEC degree of protection: IP20.

Certifications and compliance
Certification obtained: EAC.
Compliant with standards: IEC/EN/BS 61643-11.

Characteristics

Type	IEC rated voltage Un	IEC voltage protection level Up	Power installation system
	[V]	[kV] L-N	
SA1B1PA320R	230	<1.4	TN-C, TN-S, TT❶
SA1B1NA320R	230	<1.4/1.3	TT, TN-S
SA1B2PA320R	230	<1.4	TN-S
SA1B3PA320R	230/400	<1.4	TN-C
SA1B3NA320R	230/400	<1.4/1.5	TT, TN-S
SA1B4PA320R	230/400	<1.4	TN-S

❶ Between L-N only.

With plug-in cartridge limp=25kA with integrated fuse and "no leakage current"

new



SA1F34A275R



SAX1FA275

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
				n°	[kg]
VERSION WITH PLUG-IN CARTRIDGE WITH INTEGRATED FUSE AND "NO LEAKAGE CURRENT". Impulse current limp (10/350µs) 25kA per pole.					
SA1F34A275R	3P+N/4P	YES	8	1	1.065
PLUG-IN CARTRIDGE.					
Order code	Description			Q.y per pkg	Wt
				n°	[kg]
SAX1FA275	For SA1F... type			1	0.194

General characteristics
The surge protection device SA1F34A275R combines the performance of SPD type 1 and 2 into a single product.
It protects against direct and indirect lightning strikes as well as induced overvoltage conditions. It can be installed in areas with a high risk of direct lightning strikes, inside main distribution boards or nearby sub-distribution boards.
This surge protection device is immune to temporary overvoltage (TOV) and stop the flow of current after the trip.
The presence of the integrated fuse does not require any backup protection (see page 18-3).
The "no leakage current" technology allows it to be installed upstream of energy meters as it does not influence the measurement of consumed energy.

Operational characteristics
- IEC maximum continuous operating voltage Uc: 275VAC
- IEC maximum discharge current Imax (8/20µs): 65kA per pole
- IEC rated discharge current In (8/20µs): 25kA per pole
- Versions with or without relay output having changeover contact for remote status indication
- IEC degree protection: IP20.

Compliance
Compliant with standards: IEC/EN/BS 61643-11.

Characteristics

Type	IEC rated voltage Un	IEC voltage protection level Up	Power installation system
	[V]	[kV] L-N	
SA1F34A275R	240	<1.5	TN-C, TN-S, TT

With plug-in cartridge Iimp=12.5kA



SA01PA320R



SA03PA320R



SAX00PA320

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
		(SPDT)		n°	[kg]
VERSION WITH PLUG-IN CARTRIDGES. IEC impulse current Iimp (10/350µs) 12.5kA per pole.					
SA01PA320R	1P	YES	1	1	0.195
SA01NA320R	1P+N	YES	2	1	0.365
SA02PA320R	2P	YES	2	1	0.370
SA03PA320R	3P	YES	3	1	0.540
SA03NA320R	3P+N	YES	4	1	0.670
SA04PA320R	4P	YES	4	1	0.670

PLUG-IN CARTRIDGE.

Order code	Description	Qty per pkg	Wt
		n°	[kg]
SAX00PA320	For SA0... type	1	0.100

Monoblock Iimp=12.5kA



SA0B1PA320R

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
		(SPDT)		n°	[kg]
MONOBLOCK VERSION. IEC impulse current Iimp (10/350µs) 12.5kA per pole.					
SA0B1PA320R	1P	YES	2	1	0.205
SA0B1NA320R	1P+N	YES	2	1	0.155
SA0B2PA320R	2P	YES	2	1	0.230
SA0B3PA320R	3P	YES	3	1	0.330
SA0B3NA320R	3P+N	YES	4	1	0.600
SA0B4PA320R	4P	YES	4	1	0.600

General characteristics
SURGE PROTECTION DEVICES SA0
It has a plug-in cartridge and combines the performance of SPD type 1 and 2 into a single product. It is ideal in all those systems of reduced extent to protect the load side downstream of main circuit breaker to terminal equipment. It protects against direct and indirect lightning strikes as well as induced overvoltage conditions. It can be installed inside main distribution boards and nearby terminal equipment. The protection cartridges are plug-in and can be easily replaced for quick servicing.

SURGE PROTECTION DEVICES TYPE SA0B
Monoblock version SPD, it combines the performance of SPD type 1 and 2 into a single product. It is ideal in all those systems of reduced extent to protect the load side downstream of main circuit breaker to terminal equipment. It protects against direct and indirect lightning strikes as well as induced overvoltage conditions. It can be installed inside main distribution boards and nearby terminal equipment.

Operational characteristics
- IEC maximum continuous operating voltage Uc: 300VAC (SA0...); 320VAC (SA0B...)
- IEC maximum discharge current Imax (8/20µs): 40kA per pole (SA0...); 50kA (SA0B...)
- IEC rated discharge current In (8/20µs): 20kA per pole
- Version with relay output having changeover contact for remote status indication
- IEC degree of protection IP20.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 61643-11.

Characteristics

Type	IEC rated voltage Un	IEC voltage protection level Up	Power installation system
	[V]	[kV] L-N	
SA0...1PA...	230	<1.5	TN-C, TN-S, TT❶
SA0...1NA...	230	<1.5	TT, TN-S
SA0...2PA...	230	<1.5	TN-S
SA0...3PA...	230/400	<1.5	TN-C
SA0...3NA...	230/400	<1.5	TT, TN-S
SA0...4PA...	230/400	<1,5	TN-S

❶ Between L-N only.

With plug-in cartridge Type 1CA/Open-Type 1, In=20kA UL-certified



new



SG13PA...RUL

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
				n°	[kg]
VERSION WITH PLUG-IN CARTRIDGE. TYPE 1CA/OPEN-TYPE 1. Rated discharge current In (8/20µs) 20kA per pole.					
SG13PA300RUL	3P	YES	3	1	0.508
SG13PA350RUL	3P	YES	3	1	0.565
SG13PA480RUL	3P	YES	3	1	0.574
SG13PA750RUL	3P	YES	3	1	0.583

General characteristics
SURGE PROTECTION DEVICES TYPES SG13PA...RUL
It has a plug-in cartridge and combines the performance of SPD type 1 and 2 into a single product. It is ideal in all those systems of reduced extent to protect the load side downstream of main circuit breaker to terminal equipment. It protects against direct and indirect lightning strikes as well as induced overvoltage conditions. It can be installed inside main distribution boards and nearby terminal equipment.

Operational characteristics
- IEC maximum continuous operating voltage Uc: 300...750VAC
- IEC maximum discharge current Imax (8/20µs): 50kA per pole
- IEC rated discharge current In (8/20µs): 20kA per pole
- IEC impulse discharge current Iimp (10/350µs):
  - 12.5kA per pole (SG13PA300RUL and SG13PA350RUL)
  - 10kA per pole (SG13PA480RUL)
  - 5kA per pole (SG13PA750RUL)
- Versions with or without relay output having changeover contact for remote status indication
- IEC degree of protection: IP20.

Certifications and compliance
Certifications: cULus.
Compliant with standards: IEC/EN/BS 61643-11, UL1449 4TH edition.

Type 2 with plug-in cartridge In=20kA



SG2...

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
				n°	[kg]
VERSIONS WITH PLUG-IN CARTRIDGE. Rated discharge current In (8/20µs) 20kA per pole.					
SG21PA300	1P	NO	1	1	0.128
SG21PA300R	1P	YES	1	1	0.135
SG21NA300	1P+N	NO	2	1	0.234
SG21NA300R	1P+N	YES	2	1	0.240
SG22PA300	2P	NO	2	1	0.252
SG22PA300R	2P	YES	2	1	0.266
SG23PA300	3P	NO	3	1	0.366
SG23PA300R	3P	YES	3	1	0.376
SG23NA300	3P+N	NO	4	1	0.477
SG23NA300R	3P+N	YES	4	1	0.486
SG24PA300	4P	NO	4	1	0.496
SG24PA300R	4P	YES	4	1	0.505

PLUG-IN CARTRIDGE.

Order code	Description	Qty per pkg	Wt
		n°	[kg]
SGX02PA300	For SG2...A300/300R types	1	0.100

Type 2 with plug-in cartridge In=5kA



SG2C...

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
		(SPDT)		n°	[kg]
VERSIONS WITH PLUG-IN CARTRIDGE. Rated discharge current In (8/20µs) 5kA per pole.					
SG2C1NA320	1P+N	NO	1	1	0.126
SG2C2PA320	2P	NO	1	1	0.144

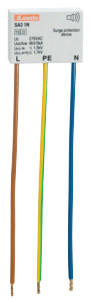
Type 3 with plug-in cartridge Uoc/Icw = 10kV/5kA



SA31NA320R

Order code	Pole arrange-ment	Relay output	Number of DIN modules	Qty per pkg	Wt
		(SPDT)		n°	[kg]
VERSIONS WITH PLUG-IN CARTRIDGE. Combined impulse Uoc/Icw (1.2/50µs, 8/20µs) 10kV/5kA.					
SA31NA320R	1P+N	YES	1	1	0.140

Type 3 compact version Uoc/Icw = 6kV/3kA



SA31NA275MS



SA31NA275ML

Order code	Pole arrange-ment	Intervention signaling	Qty per pkg	Wt
			n°	[kg]
COMPACT VERSION. Combined impulse Uoc/Icw (1.2/50µs, 8/20µs) 6kV/3kA.				
SA31NA275MS	1P+N	Acoustic	1	0.050
SA31NA275ML	1P+N	Optical	1	0.050

General characteristics
SURGE PROTECTION DEVICES TYPE SG2
They are available in plug-in cartridge version and they are suitable for installation in secondary boards and in terminal equipment.
They ensure protection against overvoltages conditions.
The protection cartridges are plug-in and can be easily replaced for quick servicing.
SG2 surge arresters are immune to temporary overvoltages (TOV) and block the circulation of the subsequent network current after the intervention.

SURGE PROTECTION DEVICES TYPE SG2C
They are available in plug-in cartridge version and suitable for installation in residential boards where a 5kA per pole indirect discharge protection is sufficient. They have compact size, 1 module width for two poles.

Operational characteristics
- IEC maximum continuous operating voltage Uc: 300VAC (SG2...); 320VAC (SG2C...)
- IEC maximum discharge current Imax (8/20µs): 50kA per pole (SG2...); 15kA (SG2C...)
- IEC rated discharge current In (8/20µs): 20kA per pole (SG2...); 5kA (SG2C...)
- Versions with or without relay output having changeover contact for remote status indication (SG2...)
- IEC degree of protection IP20.

Certifications and compliance
Certification obtained: EAC.
Compliant with standards: IEC/EN/BS 61643-11.

Characteristics

Type	IEC rated voltage Un	IEC voltage protection level Up	Power installation system
	[V]	[kV] L-N	
SG21PA...	230	<1.5	TN-C, TN-S, TT❶
SG2/SG2C1NA...	230	<1.5	TT, TN-S
SG2/SG2C2PA...	230	<1.5	TN-S
SG23PA...	230/400	<1.5	TN-C
SG23NA...	230/400	<1.5	TT, TN-S
SG24PA...	230/400	<1,5	TN-S

❶ Between L-N only.

General characteristics
SURGE PROTECTION DEVICE TYPE SA3
They are available in plug-in cartridge version for installation on DIN rail or compact version for installation in terminal block or electrical conduct. They are used for protection of end users (electronic devices).
The DIN rail version includes a relay output with exchange contact for status reporting. The compact versions are available with acoustic or light signaling and are provided with pre-wired connectors, length 11cm.

Operational characteristics
- IEC rated voltage Un: 230VAC
- IEC rated current In (8/20µs): 5kA (SA3...A320R), 3kA (SA3...MS, SA3...ML)
- IEC combined impulse Uoc: 10kV (SA3...A320R), 6kV (SA3...MS, SA3...ML)
- IEC protection level Up<1.5kV
- IEC degree of protection IP20.

Certifications and compliance
Certification obtained: EAC.
Compliant with standards: IEC/EN/BS 61643-11.

1.Application

AD22 series lights LED light-emitting chips are used as the light source, long life, low power consumption, small size, light weight, is the XD type all types of incandescent and neon signal light replacement products, using high-strength polycarbonate lampshade, has a good impact performance, built rivet-type wiring, more secure and convenient. This series of signal lights are suitable for electricity, telecommunications, machine tools, shipbuilding, textile, printing, mining machinery and other equipment for the signal indication, notice the signal, accident signal and other instructions with the signal.

2.Nomenclature

AD22 - 22/16 - 1 2 3 4

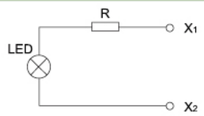
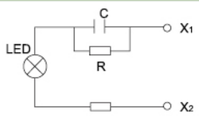
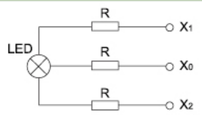
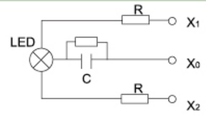
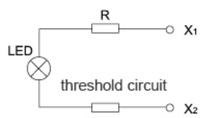
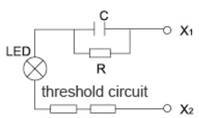
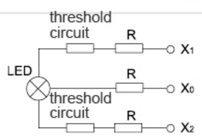
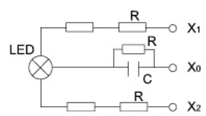
- 4 — Voltage
- 3 — Color
- 2 — No letter for standard,S" indicates short casing, "F" indicates the cabinet can be mounted on the capacitor discharge lamp
- 1 — A, B, C, D, E Represent different visual styles
- 22/16 — Neck size
- AD22 — Signal light type

Note: Performance Characteristics

Continuous working Life: ≥3,0000 hours
instantaneous voltage fluctuation allow±20%(110V above)
Power frequency withstand voltage: 2.5KV(AC effective value),1min
Use frequency（AC): 50-60HZ
Rated working current: ≤20mA

Light height: ≥100cd/m2
Comparative tracking indexCT1≥100,inflaming retarding
Insulation resistance: Ui≤60v为5MΩ,60≤Ui≤660V 50MΩ
Light colors: red, green, yellow, white, blue

3.Mounting Dimension

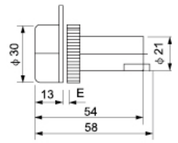
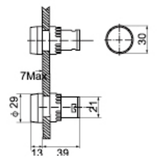
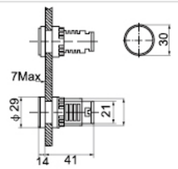
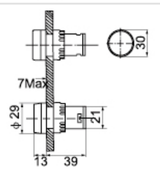
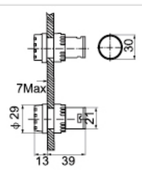
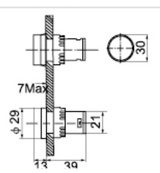
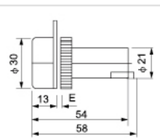
	AC/DC type signal	AC type signal light	AC/DC bicolor light	AC type bicolor light
rdinary type				
Anti-interference type				

NOTE: 1. AC/DC signal is resistance step-down type, AC signal of resistance capacity type.
2. When voltage 110 v and above, AC/DC type lamp shell temperature rise is higher than AC signal lamp.

4.Precautions For Use

1,AC type signal using frequency 50-60HZ, used in other frequency bands will damage the signal lights。
2,Anti-interference signal light general threshold in 40V or less, if a high threshold,please explain further.Recommended threshold is not too high, such as the interference voltage is too high, check the wiring conditions.
3,AC double color lamp do not allow the wiring error, otherwise it will damage the signal lamp.

5.Product list

	Type and Elucidation		Color	Reference	Weight(kg)	Size
AD22-22A	Contain LED New type(Interference with the discharge of the function a)		Green	AD22-22A	0.0193	
			Red	AD22-22A	0.0193	
			Yellow	AD22-22A	0.0193	
			Blue	AD22-22A	0.0193	
			White	AD22-22A	0.0193	
AD22-22B/S	The LED electronics economy energy indicator install size ø22 (The LED has already prepared to pack into integral whole and can't dismantle a cent)		Green	AD22-22B/S	0.203	
			Red	AD22-22B/S	0.203	
			Yellow	AD22-22B/S	0.203	
			Blue	AD22-22B/S	0.203	
			White	AD22-22B/S	0.203	
AD22-22C/S	The LED electronics economy energy indicator install size ø22 (The LED has already prepared to pack into integral whole and can't dismantle a cent)		Green	AD22-22C/S	0.0185	
			Red	AD22-22C/S	0.0185	
			Yellow	AD22-22C/S	0.0185	
			Blue	AD22-22C/S	0.0185	
			White	AD22-22C/S	0.0185	
AD22-22D/S	The LED electronics economy energy indicator install size ø22 (The LED has already prepared to pack into integral whole and can't dismantle a cent)		Green	AD22-22D/S	0.0212	
			Red	AD22-22D/S	0.0212	
			Yellow	AD22-22D/S	0.0212	
			Blue	AD22-22D/S	0.0212	
			White	AD22-22D/S	0.0212	
AD22-22E/S	The LED electronics economy energy indicator install size ø22 (The LED has already prepared to pack into integral whole and can't dismantle a cent)		Green	AD22-22E/S	0.02	
			Red	AD22-22E/S	0.02	
			Yellow	AD22-22E/S	0.02	
			Blue	AD22-22E/S	0.02	
			White	AD22-22E/S	0.02	
AD22-16D/S	The LED electronics economy energy indicator install size ø16 (The LED has already prepared to pack into integral whole and can't dismantle a cent)		Green	AD22-16D/S	0.0182	
			Red	AD22-16D/S	0.0182	
			Yellow	AD22-16D/S	0.0182	
			Blue	AD22-16D/S	0.0182	
			White	AD22-16D/S	0.0182	
AD22-SM	Buzzer ø22	NO flash flash	Black Red	AD22-22FM AD22-22SM	0.0024	
	Buzzer ø16	NO flash flash	Black Red	AD22-16FM AD22-16SM	0.0021	

1.Function

EBSA2 A4 A5series button is suitable for AC 50Hz and 60Hz,rated operation voltage up to 380V and DC 250V in the industrial control circuits,used as electromagnetic starter,contactors,relays and others' control of electrical lines.

2.Nomenclature

EBSA5 - 1 2 3 4 5 6 7

- 1 2 3 4 5 6 7: Derived code and auxiliary specification code, means that the button operation, normally open and normally closed
- EBSA5: Button switch type, design code

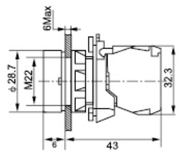
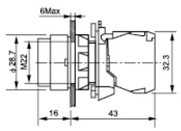
Part Material EBSA5

Type	head part	mid-rise	contact	switch case
EBSA5 series	nylon	nylon	Silver alloy	nylon

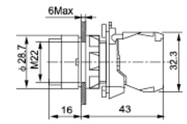
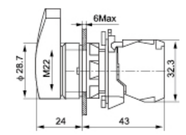
Remarks: Other technical parameters and characteristics refer to EBSA2

3.Product list

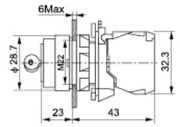
Spring coil reset push button

	Type and Elucidation	Color	Contact type NO	Contact type NC	Reference	Weight (kg)	Size (mm)
EBSA5-AA	Push-button	White	1	-	EBSA5-AA11	0.025	
		Black	1	-	EBSA5-AA21	0.025	
		Green	1	-	EBSA5-AA31	0.025	
		Yellow	1	-	EBSA5-AA51	0.025	
		Blue	1	-	EBSA5-AA61	0.025	
		Red	-	1	EBSA5-AA42	0.025	
		Green	1	1	EBSA5-AA35	0.036	
		Red	1	1	EBSA5-AA45	0.036	
EBSA5-AL	Convex head button	White	1	-	EBSA5-AL11	0.029	
		Black	1	-	EBSA5-AL21	0.029	
		Green	1	-	EBSA5-AL31	0.029	
		Yellow	1	-	EBSA5-AL51	0.029	
		Blue	1	-	EBSA5-AL61	0.029	
		Red	-	1	EBSA5-AL42	0.029	
		Green	1	1	EBSA5-AL35	0.04	
		Red	1	1	EBSA5-AL45	0.04	

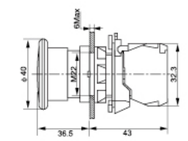
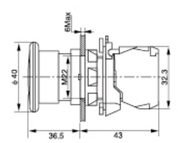
Choice switch

	Type and Elucidation	Position	Contact type NO	Contact type NC	Reference	Weight (kg)	Size (mm)
EBSA5-AD	2 Position maintained		1	-	EBSA5-AD21	0.031	
			1	1	EBSA5-AD25	0.042	
	2 Position spring		1	-	EBSA5-AD41	0.031	
			1	1	EBSA5-AD45	0.042	
	3 Position maintained		2	-	EBSA5-AD33	0.042	
	3 Position spring		2	-	EBSA5-AD53	0.042	
EBSA5-AJ	2 Position maintained		1	-	EBSA5-AJ21	0.035	
			1	1	EBSA5-AJ25	0.046	
	2 Position spring		1	-	EBSA5-AJ41	0.035	
			1	1	EBSA5-AJ45	0.046	
	3 Position maintained		2	-	EBSA5-AJ33	0.046	
	3 Position spring		2	-	EBSA5-AJ53	0.046	

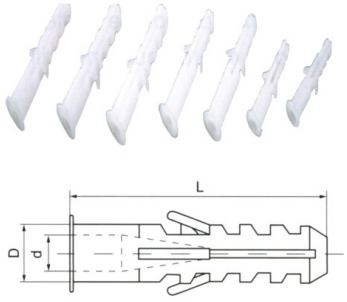
Key choice switch

	Type and Elucidation	Position	Contact type NO	Contact type NC	Reference	Weight (kg)	Size (mm)
EBSA5-AG	2 Position switch with key		1	-	EBSA5-AG21	0.055	
			1	1	EBSA5-AG25	0.066	
			1	-	EBSA5-AG41	0.055	
			1	1	EBSA5-AG45	0.066	
	3 Position switch with key		1	-	EBSA5-AG61	0.055	
			1	1	EBSA5-AG65	0.066	
			2	-	EBSA5-AG33	0.066	
			2	-	EBSA5-AG53	0.066	
			2	-	EBSA5-AG03	0.068	

Urgent stop a mushroom button

	Type and Elucidation		Contact type NO	Contact type NC	Reference	Weight (kg)	Size (mm)
EBSA5-AC	ø40mm Mushroom head button	Black	1	-	EBSA5-AC21	0.05	
		Green	1	-	EBSA5-AC31	0.05	
		Yellow	1	-	EBSA5-AC51	0.05	
		Red	-	1	EBSA5-AC42	0.05	
		Green	1	1	EBSA5-AC35	0.061	
		Red	1	1	EBSA5-AC45	0.061	
EBSA5-AS	Emergenly stop switch	ø40	-	1	EBSA5-AS542	0.045	
		ø40	1	1	EBSA5-AS545	0.056	

Expand Nail



Material: made of PE
Color: White, Grey.

Item.No.	L (mm)	D (mm)	d (mm)
EN–06	29.8	6	4.9
EN–08	38.6	7.9	5.3
EN–10	42.7	9.9	5.8
EN–12	47.9	11.6	6.3

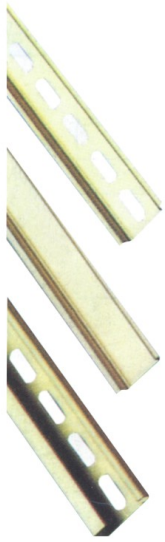
Cable Marker



Material: made from PVC, oil and erosion control, heat resisting up to 85℃,
Struction: the inside is hollow, but elastic. The diameter can change with the needed wire.

Item.No.	Approx Wire		markers	Packing
	SQ (mm^2)	mm		
EC–0	0.75~1.5	2.0~3.2		1000PCS/Roll
EC–1	0.75 ~3.5	3.0~4.2	0~9	1000PCS/Roll
EC–2	3.5~8.0	3.6~7.4	A~Z	500PCS/Roll
EC–3	5.2~10.0	5.2~10.0	+ – /\	250PCS/Roll
EC–J	2~8	0.5~7		500PCS/Roll

Din Rails



1.Application
Suitable for mounting various modular units.

2.Technical Data
Material: steel, zinc electroplated with yellow achromate passivation, aluminium alloy optional.
Color: yellow or silver gray.
Length: 2m, 1m and other lengths upon request.
Standards: DIN 46277，CENELEC EN 50.0222, EN50.023, EN50.035.

Cat.No.: DR101
Dimensions (mm): 35 x 7.5 x 1(W x H x T)

Length Meters(m): 1，2 Cat.No.: DR102

Dimensions (mm): 35 x 7.5 x 1(W x H x T)

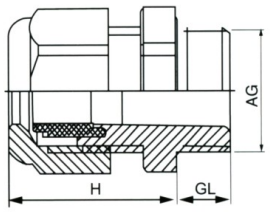
Length Meters(m): 1，2 Gat.No.: DR201

Dimensions (mm): 35 x 15 x 1.5(W x H x T)

Length Meters(m): 1，2

PG Cable Gland



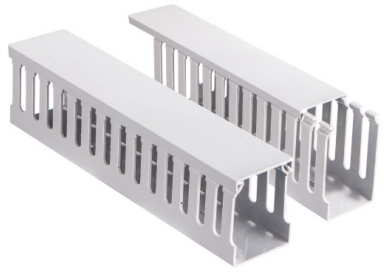


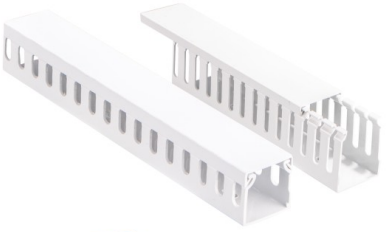
Specifications

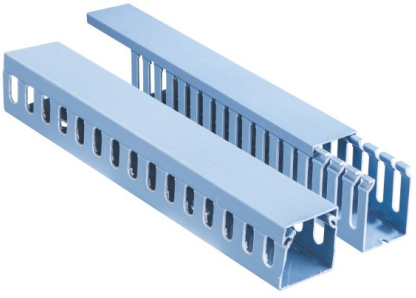
Model	X (mm)	GL (mm)	H (mm)	(mm)
PG7	3–6.5	8	22	16
PG9	4–8	8	26	19
PG11	5–10	8	27	22
PG13.5	6–12	9	28	24
PG16	10–14	10	30	27
PG21	13–18	10	35	33
PG29	18–25	12	40	41/42
PG36	20–32	14	48	52/53
PG42	32–38	14	49	60/61
PG48	37–44	14	50	64/65

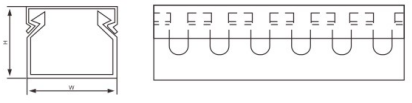
Wiring Ducts(Slotted)

Material: Made from PVC, good insulation and heat–resisting up to 85.
Structure: Made up of duct bottom and lid, with two out–holes designed at the bottom.









Specifications

Type	H × W(mm)	Contained wire(2.02)	Length
PXC3–2015	20 × 15	5–10PCS	2m
PXC3–2025	20 × 25	5–15PCS	2m
PXC3–2525	25 × 25	10–20PCS	2m
PXC3–3015	30 × 15	5–15PCS	2m
PXC3–3020	30 × 20	10–20PCS	2m
PXC3–3025	30 × 25	15–25PCS	2m
PXC3–3030	30 × 30	20–40PCS	2m
PXC3–3035	30 × 35	30–45PCS	2m
PXC3–3045	30 × 45	40–55PCS	2m
PXC3–3530	35 × 30	30–45PCS	2m
PXC3–3535	35 × 35	35–50PCS	2m
PXC3–3540	35 × 40	50–60PCS	2m
PXC3–4025	40 × 25	20–25PCS	2m
PXC3–4030	40 × 30	35–45PCS	2m
PXC3–4040	40 × 40	60–70PCS	2m
PXC3–5015	50 × 15	10–25PCS	2m
PXC3–5025	50 × 25	25–45PCS	2m
PXC3–5030	50 × 30	30–50PCS	2m
PXC3–5035	50 × 35	50–60PCS	2m
PXC3–5040	50 × 40	60–70PCS	2m
PXC3–5045	50 × 45	70–80PCS	2m
PXC3–5050	50 × 50	80–90PCS	2m
PXC3–5055	50 × 55	100–110PCS	2m
PXC3–5080	50 × 80	180–200PCS	2m
PXC3–50100	50 × 100	210–260PCS	2m
PXC3–8045	80 × 45	160–180PCS	2m
PXC3–8050	80 × 50	180–200PCS	2m
PXC3–8055	80 × 55	180–210PCS	2m
PXC3–8080	80 × 80	240–290PCS	2m
PXC3–80100	80 × 100	260–350PCS	2m
PXC3–100100	100 × 100	300–400PCS	2m