



VCX POWER[®]

PRODUCT CATALOG
2023



Since the beginning of its activity **VCX sp. z o.o.** has specialised in the sale of surge protection systems, electric shock protection systems, modular apparatus, energy meters, sockets and flush-mounted switches and other electrical articles. We base on experience gained in cooperation with world leaders in this field. Our products are controlled at every stage of production, thanks to which they guarantee the highest quality and are characterized by durability and reliability.

The quality of our products is regularly confirmed by tests carried out at the Quality Testing Office of the Association of Polish Electrical Engineers (BBJ SEP).

Our products are made on the basis of the highest quality components, quality guarantee is certified by **CE, TUV, Kema, Semko, EMC, RoHS**, which is certified range offered by us.

One of our leading suppliers is Gacia Electrical Appliance Co.Ltd. - is one of the world's leading manufacturers of modular apparatus, established in 2002, based on the results of its own research and development department (R&D), having three of its own production plants built at the cost of USD 70 million.

The company has nearly 2000 employees, produces over 75 000 000 pieces of modular apparatus per year, generating a turnover of 150 000 000 USD.

Gacia Electrical Appliance Co.Ltd.

- prioritizes product quality and innovation, as evidenced by:

- 4 quality management certifications (**ISO, SA, OHSAS**),
- 33 KEMA certificates,
- 12 TUV certificates,
- 2 SEMKO certificates,
- 15 CE Certificates,
- 28 CB certificates,
- 49 CCC certificates,
- 5 invention patents,
- 48 utility model patents,
- 47 design patents,
- 1 software patent.



Gacia Electrical Appliance Co.Ltd. manufactures and sells - through a network of more than 33 agents, goods under own brands.

For over 10 years, Gacia Electrical Appliance Co.Ltd. has had its own representative offices in most EU countries.

The GACIA trademark is legally protected in 110 countries worldwide.

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MODULAR SURGE ARRESTERS (TYPE AC)

AC 25kA / 12,5kA T1T2



VCX-L1-4-B+C 25kA



VCX-P-4-B+C 12,5kA



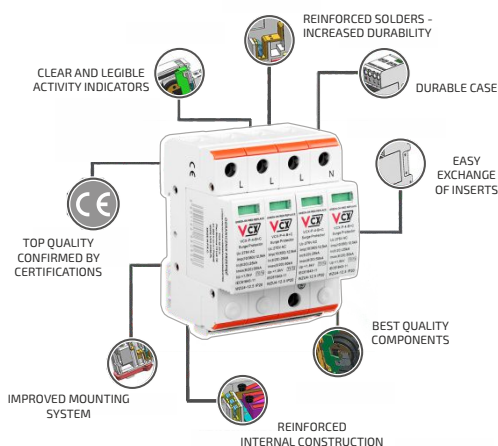
VCX-P-1-B+C 12,5kA



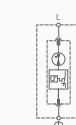
The VCX-P-B+C 12.5 kA modular surge protector has been successfully tested by the Quality Testing Office of the Association of Polish Electrical Engineers (BBJ SEP).

The VCX-L1-B+C 25kA and VCX-P-B+C 12.5kA modular hybrid surge arresters protect against lightning surges caused by lightning strikes to objects in the vicinity of overhead lines or directly to the power line LV, which occur far from the arresters. They protect against switching overvoltages.

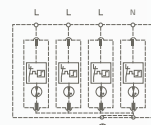
The VCX-L1-B+C 25kA and VCX-P-B+C 12.5kA modular hybrid arresters are made using spark gap technology, which guarantees reliability, stability and above average performance.



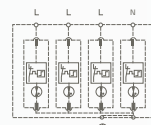
CONNECTION DIAGRAMS



VCX-P-1-B+C

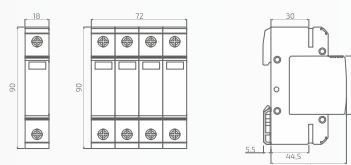


VCX-P-4-B+C



VCX-L1-4-B+C

DIMENSIONS



ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current Imax (kA) 8/20	number of poles	voltage protection level Up (kV)	quantity per package
BC4P 25KA	VCX-L1-4-B+C	T1T2	spark-gap	275	25	25	50	4	<1,5	1
BC4P 12.5KA	VCX-P-4-B+C	T1T2	spark-gap	275	12,5	25	50	4	<1,5	1
BC1P 12.5KA	VCX-P-1-B+C	T1T2	spark-gap	275	12,5	25	50	1	<1,5	1

AC 8kA T1T2+T1T2T3



VCX-L1-4-B+C+D 8kA



VCX-L1-4-B+C 8kA

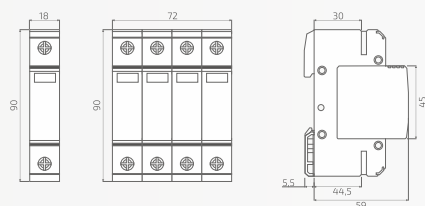


VCX-L1-1-B+C 8kA

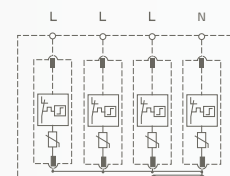
The VCX-L1-B+C 8kA modular surge protector has been successfully tested by the Quality Testing Office of the Association of Polish Electrical Engineers (BBJ SEP).

- They are designed to protect low-voltage power supply systems against induced and switching overvoltages. They can be installed in **TN-S**, **TN-C** and **IT** networks.
- They should be used as both the first and second degree of protection in floor boards, sub-switchboards. The protectors should be installed in places where electrical installation enters the building.
- They provide complete protection of the electrical installation and the electrical equipment powered from it against part of the lightning current and other types of surges.

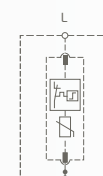
DIMENSIONS



CONNECTION DIAGRAMS



VCX-L1-4-B+C
VCX-L1-4-B+C+D



VCX-L1-1-B+C

ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current Imax (kA) 8/20	number of poles	voltage protection level Up (kV)	Uoc kV	quantity per package
BCD 4P 8KA	VCX-L1-4-B+C+D	T1T2T3	varistor	275	8	25	50	4	<1,5	20	1
BC4P PROF. 8KA	VCX-L1-4-B+C	T1T2	varistor	275	8	25	50	4	<1,5	-	1
BC1P PROF. 8KA	VCX-L1-1-B+C	T1T2	varistor	275	8	25	50	1	<1,5	-	1

MODULAR SURGE ARRESTERS (TYPE AC)

The VCX-L1-B+C 6kA modular surge protector has been successfully tested by the Quality Testing Office of the Association of Polish Electrical Engineers (BBJ SEP).

- They are dedicated to protect **LV** power supply installations from the effects of induced and switching overvoltages. They may be installed in **TN-S**, **TN-C** and **IT** type networks.
- They should be used simultaneously as the first and second level of protection in floor boards, sub-switchboards. Protectors should be installed at the points of entry of electrical installations into the building.
- They provide complete protection of the electrical installation and the electrical equipment supplied from it against part of the lightning current and other types of overvoltage.

ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current I _{max} (kA) 8/20	number of poles	voltage protection level Up (kV)	quantity per package
BC4P PROF. 6KA	VCX-L1-4-B+C	T1T2	varistor	275	6	25	50	4	<1,5	1
BC1P PROF. 6KA	VCX-L1-1-B+C	T1T2	varistor	275	6	25	50	1	<1,5	1

They are dedicated to the protection of **LV** power supply installations against the effects of induced and switching overvoltages.

- Type **VCX-L2-4-B** class **T1** surge arresters - cut off the surge impulse and discharge it to earth already at the entrance of the electrical installation to the building.

ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current I _{max} (kA) 8/20	number of poles	voltage protection level Up (kV)	quantity per package
B4P 20KA	VCX-L2-4-B	T1	spark-gap	385	20	50	100	4	<2,5	1
B4P 40KA	VCX-L2-4-B	T1	spark-gap	385	40	50	100	4	<2,0	1

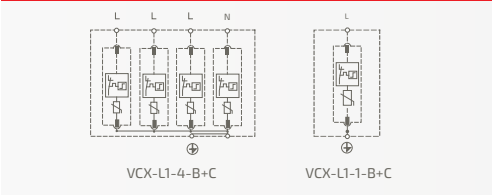
They are dedicated to the protection of **LV** power supply installations against the effects of induced and switching overvoltages.

- Type **VCX-L2-4-B+NPE** class **T1** surge arresters - cut off the surge impulse and discharge it to earth already at the entrance of the electrical installation to the building.

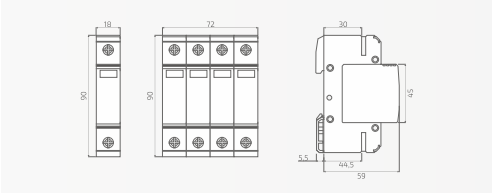
ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current I _{max} (kA) 8/20	number of poles	voltage protection level Up (kV)	quantity per package
BC3P NPE 50KA	VCX-L2-4-B+NPE	T1	spark-gap	385	50	50	100	3+NPE	<2,5	1

CONNECTION DIAGRAMS



DIMENSIONS



AC 6kA T1T2



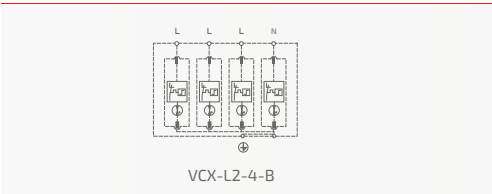
VCX-L1-4-B+C 6kA



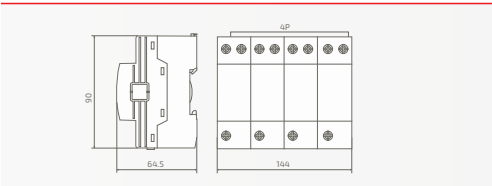
VCX-L1-1-B+C 6kA



CONNECTION DIAGRAMS



DIMENSIONS



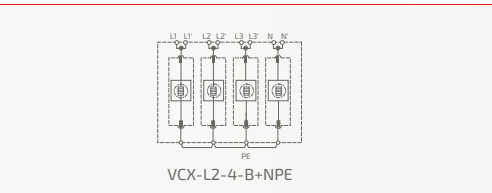
AC T1 20kA/40kA



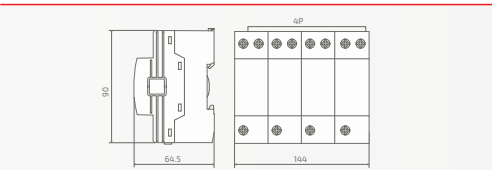
VCX-L2-4-B



CONNECTION DIAGRAMS



DIMENSIONS



AC T1 50kA + NPE



VCX-L2-4-B+NPE



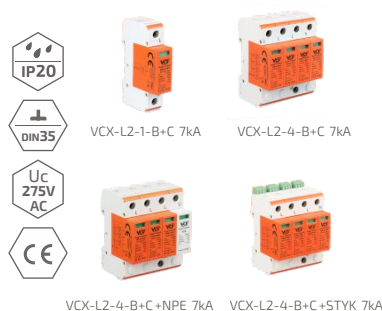
PROTECTORS AC

MODULAR SURGE ARRESTERS (TYPE AC)

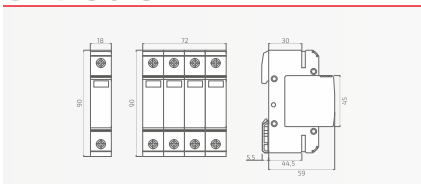
AC 7kA / +NPE, +contact / T1T2

They are designed to protect **LV** power supply systems against the effects of induced and switching overvoltages.

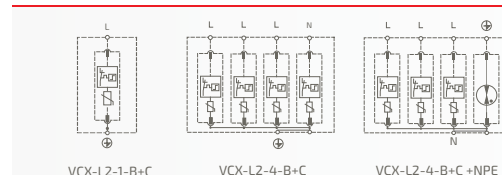
- They are equipped with a visual operational indicator (green - protection, red - no protection).



DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

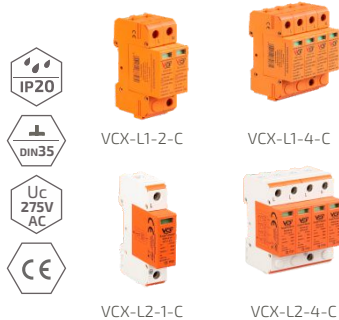
product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current I _{max} (kA) 8/20	number of poles	voltage protection level Up (kV)	NPE module	quantity per package
BC4P	VCX-L2-4-B+C	T1T2	varistor	275	7	20	50	4	<1,5	no	1
BC1P	VCX-L2-1-B+C	T1T2	varistor	275	7	20	50	1	<1,5	no	4
BC3P NPE	VCX-L2-4-B+C+NPE	T1T2	varistor-spark-gap	275	7	20	50	3+NPE	<1,5	yes	1
BC4P STYK	VCX-L2-4-B+C + contact	T1T2	varistor	275	7	20	50	4	<1,5	no	1
BCD 4P	VCX-L2-4-B+C+D	T1T2T3	varistor	275	7	10	50	4	<1,5	no	1

AC T2

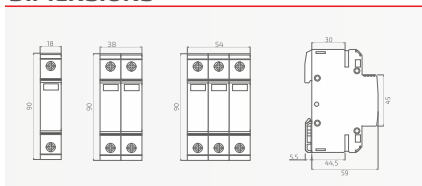
The VCX-L1/L2-C modular surge protector has been successfully tested by the Quality Testing Office of the Association of Polish Electrical Engineers (BBJ SEP).

They are designed to protect **LV** power supply systems against the effects of induced and switching overvoltages.

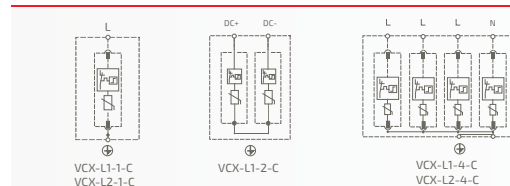
- They are equipped with a visual operational indicator (green - protection, red - no protection).



DIMENSIONS



CONNECTION DIAGRAMS



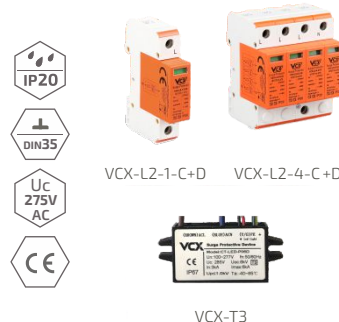
ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current I _{max} (kA) 8/20	number of poles	voltage protection level Up (kV)	quantity per package
C4P PROF.	VCX-L1-4-C	T2	varistor	275	-	20	40	4	<1,5	1
C2P PROF.	VCX-L1-2-C	T2	varistor	275	-	20	40	2	<1,5	1
C1P PROF.	VCX-L1-1-C	T2	varistor	275	-	20	40	1	<1,5	1
C1P	VCX-L2-1-C	T2	varistor	275	-	20	40	1	<1,2	4
C4P	VCX-L2-4-C	T2	varistor	275	-	20	40	4	<1,2	1

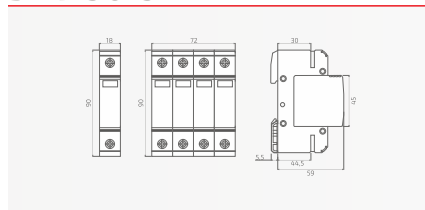
AC T2T3 / T3

They are designed to protect **LV** power supply systems against the effects of induced and switching overvoltages.

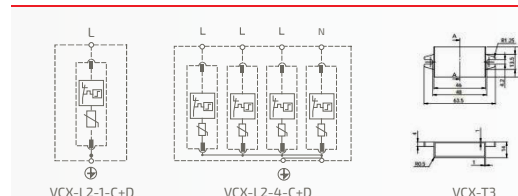
- They are equipped with a visual operational indicator (green - protection, red - no protection).



DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	class	type	continuous operating voltage Uc (V) AC	lightning impulse voltage (kA) (10/350)	nominal discharge current In (kA) 8/20	max discharge current I _{max} (kA) 8/20	number of poles	voltage protection level Up (kV)	quantity per package
CD1P	VCX-L2-1-C+D	T2T3	varistor	275	-	10	40	1	<1,5	4
CD4P	VCX-L2-4-C+D	T2T3	varistor	275	-	10	40	4	<1,5	1
D1	VCX-T3	T3	varistor	100-277	-	8	6	-	1	1

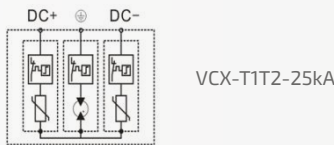
MODULAR SURGE PROTECTORS (TYPE DC)
FOR PHOTOVOLTAIC

The **VCX-T1T2-DC** arrester of **T1T2** class limp (I_{total}) = **25kA 1200VDC** is the best quality product for lightning protection of **PV** (photovoltaic) installations.

The **VCX-T1T2-DC T1T2** class limp (I_{total}) = **25kA 1200V DC** protector is built using special high flow varistors (MOV) in the DC+/DC- modules and a gas discharge tube (GDT) in the PE module, which effectively eliminates the problem of varistor ageing under the influence of so called leakage current and operating current.

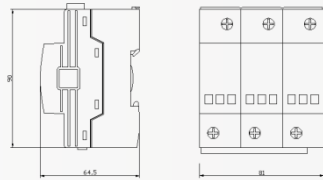
- It is dedicated for protection of photovoltaic installations.

CONNECTION DIAGRAMS



VCX-T1T2-25kA

DIMENSIONS



DC T1T2 25kA 1200VDC



VCX-T1T2-25kA



ELECTRICAL PROPERTIES

product code	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal (10/350)kA [T1] (+/PE, -/PE)	nominal discharge current In (8/20) kA [T1] (+/PE, -/PE)	max discharge current Imax (kA) 8/20	number of poles	voltage protection level Up (+/-)	quantity per package
DC BC3P 1200V 25KA GDT	VCX-T1T2-DC	T1T2	gas spark-gap	1200	25kA	20	40	3	<2,7 kV	1

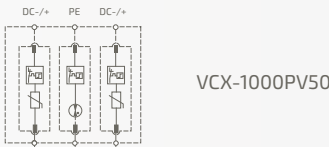
The modular **T1T2 PV50 12.5kA DC** surge protector has been successfully tested by the Quality Testing Office of the Association of Polish Electrical Engineers (BBJ SEP).

The **VCX-50PV-B+C T1T2** class limp (I_{total}) = **12.5kA** is an innovative development in lightning protection for **PV** (photovoltaic) installations.

The **VCX-50PV-B+C T1T2** class limp (I_{total}) = **12.5kA** is a protector, which is built using a special high flow varistor (MOV) and gas discharge tube (GDT). The protector is equipped with varistors (MOV) in the DC+ and DC- modules and a gas spark gap (GDT) in the PE module, which effectively eliminates the problem of aging of the spark gap under the influence of so-called leakage current and operating current.

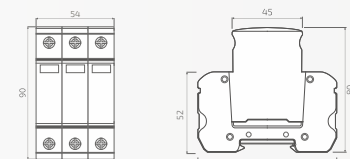
- It is dedicated for protection of photovoltaic installations.
- Made in varistor-spark-gap technology (MOV+GDT+MOV).

CONNECTION DIAGRAMS



VCX-1000PV50

DIMENSIONS



DC T1T2 PV50 12,5kA 1000VDC



VCX-1000PV50 12,5kA



ELECTRICAL PROPERTIES

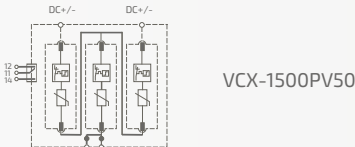
product code	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal	nominal discharge current In (8/20)kA (+/PE, -/PE) [T2]	voltage protection level Up (+/-)	max discharge current Imax (kA) 8/20	number of poles	quantity per package
DC BC3P 1000 PV50 12,5KA	VCX-1000PV50	T1T2	spark-gap	≤1000 DC	12,5 kA	25 kA	≤4,75 kV	50 kA	3	1

The **VCX-50PV-B+C** surge arrester with **T1T2** class limp (I_{total}) = **12.5kA 1500VDC** is the best product for lightning protection of **PV** (photovoltaic) installations.

The **VCX-50PV-B+C T1T2** class limp (I_{total}) = **12.5kA 1500VDC** is a surge protector that is built using special high flow varistors (MOV).

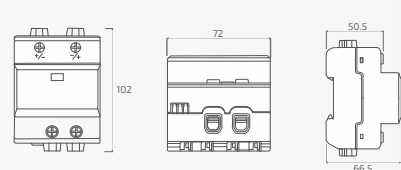
- It is dedicated for protection of photovoltaic installations.
- It does not require additional protection.

CONNECTION DIAGRAMS



VCX-1500PV50

DIMENSIONS



DC T1T2 PV50 12,5kA 1500VDC



VCX-PV50-B+C



PROTECTORS DC

ELECTRICAL PROPERTIES

product code	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal	nominal discharge current In (kA) 8/20 (8/20) kA [T1] (+/PE, -/PE)	voltage protection level Up (kV)	max discharge current Imax (kA) 8/20	number of poles	auxiliary contact	quantity per package
DC BC3P 1500 PV50 12,5KA	VCX-PV50-DC	T1T2	varistor	1500	12,5kA	20	<4,5	50	3	yes	1

MODULAR SURGE PROTECTORS (TYPE DC) FOR PHOTOVOLTAIC

DC 14kA T1T2

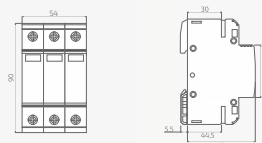


VCX-T1T2-DC 14kA

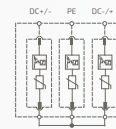
Dedicated to the protection of photovoltaic installations.

- Equipped with a visual operational indicator (green - protection, red - no protection).

DIMENSIONS



CONNECTION DIAGRAMS



VCX-T1T2-DC 14kA

ELECTRICAL PROPERTIES

product code	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal	nominal discharge current In (8/20)kA (+/PE, -/PE) [T2]	voltage protection level Up (+/-)	max. discharge current Imax (kA) 8/20	number of poles	auxiliary contact
DC BC 3P 1200V 14KA	VCX-T1T2-DC	T1T2	varistor	≤1200 DC	14 kA	20 kA	<4,75 kV	40 kA	3	no

DC 12,5kA T1T2 GREEN/RED



VCX-T1T2-DC RED

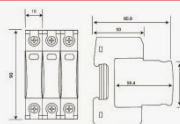


VCX-T1T2-DC GREEN

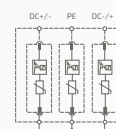
Photovoltaic surge arresters **DC B+C 3P 1200V (T1T2) 12.5 kA GREEN/RED** is a new line of surge arresters for the protection of **PV** installations with operating voltage up to **1200V DC**.

- Well thought-out design of the surge arrester allows to reduce its width to 3 bays (54 mm) and most importantly its height to 80,8 mm - so it can be easily mounted in most of the offered switchgears.
- They are equipped with a visual operational indicator (green - protection, red - no protection).

DIMENSIONS



CONNECTION DIAGRAMS



VCX-T1T2-DC 12,5kA

ELECTRICAL PROPERTIES

product code	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal	nominal discharge current In (8/20)kA (+/PE, -/PE) [T2]	voltage protection level Up (+/-)	max. discharge current Imax (kA) 8/20	number of poles	quantity per package
DC BC3P 1200V 12,5KA RED	VCX-T1T2-DC RED	T1T2	varistor	≤1200 DC	12,5 kA	20 kA	≤4,75 kV	40 kA	3	1
DC BC3P 1200V 12,5KA GREEN	VCX-T1T2-DC GREEN	T1T2	varistor	≤1200 DC	12,5 kA	20 kA	≤4,75 kV	40 kA	3	1

DC 7kA T1T2

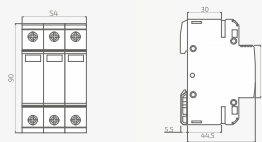


VCX-T1T2-DC 7kA

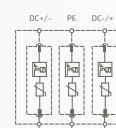
Dedicated to the protection of photovoltaic installations.

- Equipped with a visual operational indicator (green - protection, red - no protection).

DIMENSIONS



CONNECTION DIAGRAMS



VCX-T1T2-DC 7kA

ELECTRICAL PROPERTIES

productcode	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal	nominal discharge current In (8/20)kA (+/PE, -/PE) [T2]	voltage protection level Up (+/-)	max. discharge current Imax (kA) 8/20	number of poles	auxiliary contact
DC BC3P 1200V 7KA	VCX-T1T2-DC	T1T2	varistor	≤1200 DC	7 kA	20 kA	<4,75 kV	40 kA	3	no

DC 5kA T1T2

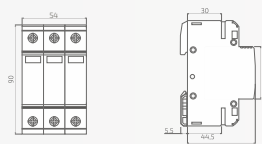


VCX-T1T2-DC 5kA

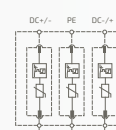
Dedicated to the protection of photovoltaic installations.

- Equipped with a visual operational indicator (green - protection, red - no protection).

DIMENSIONS



CONNECTION DIAGRAMS



VCX-T1T2-DC 5kA

ELECTRICAL PROPERTIES

product code	series	class	type	max. continuous operating voltage Ucpv (+/-) DC	total current discharge Itotal	nominal discharge current In (8/20)kA (+/PE, -/PE) [T2]	voltage protection level Up (+/-)	max discharge current Imax (kA) 8/20	number of poles	auxiliary contact
DC BC3P 1200V 5KA	VCX-T1T2-DC	T1 T2	varistor	≤1200 DC	5 kA	20 kA	<4,75 kV	40 kA	3	no

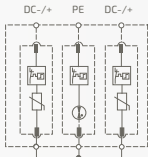
MODULAR SURGE PROTECTORS (TYPE DC)
FOR PHOTOVOLTAIC

MODULAR SURGE PROTECTOR DC T2 Pv40

The **VCX-1000PV40 1000V DC** class T2 is a technically advanced and highest quality protector designed for the protection of **PV** (photovoltaic) installations, which is built using a special high flow varistor (**MOV**) and a gas discharge spark gap (**GDT**).

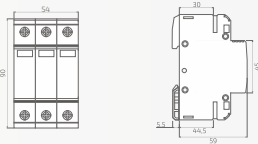
The **VCX-1000PV40 1000V DC** class T2 is equipped with varistors (**MOV**) in the **DC+** and **DC-** modules and a gas discharge tube (**GDT**) in the **PE** module - which effectively eliminates the problem of aging of the spark gap under the influence of so-called leakage current and operating current.

CONNECTION DIAGRAMS



VCX-1000PV40

DIMENSIONS



DCT2 PV40 1000VDC



VCX-1000PV40



ELECTRICAL PROPERTIES

product code	series	class	type	max. continuous operating voltage Ucpv (+/-) V DC	total current discharge Itotal	nominal discharge current In (8/20)kA (+/PE, -/PE) [T2]	voltage protection level Up (+/-)	max discharge current Imax (kA) 8/20	number of poles	quantity per package
DC C3P 1000 PV40 GDT	VCX-1000 PV40	T2	gas spark-gap	≤1000 DC	-	20 kA	≤4,0 kV	40 kA	3	1

The **PV375 modular DC T2 surge protectors** have been successfully tested by the Quality Testing Bureau of the Association of Polish Electrical Engineers (BBJ SEP).

The **VCX-PV375 1000V DC** class **T2** is a technically advanced and highest quality protector designed for the protection of **PV** (photovoltaic) installations, which is built using a special high flow varistor (**MOV**).

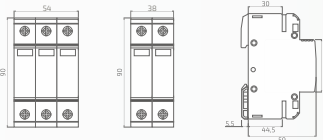
DC T2 PV 375



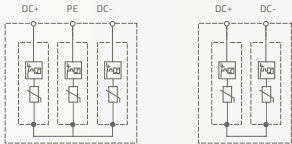
VCX-PV375-3 VCX-PV375-2



DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	class	type	nominal voltage Ucpv (+/PE, -/PE) V DC	nominal discharge current Iimp (10/350)kA [T1] (+/PE, -/PE)	nominal discharge current In (8/20)kA [T2] (+/PE, -/PE)	max discharge current Imax (kA) 8/20	number of poles	voltage protection level Up (+/-) (+/PE, -/PE)	auxiliary switch
DC C2P 1000 PV375	VCX-PV375-2	T2	varistor	≤1000 DC	-	20 kA	40 kA	2	<3,75 kV	no
DC C3P 1000 PV375	VCX-PV375-3	T2	varistor	≤1000 DC	-	20 kA	40 kA	3	<3,75 kV	no

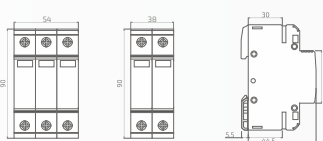
MODULAR SURGE PROTECTOR CLASS T2 DC

Dedicated to the protection of photovoltaic installations.

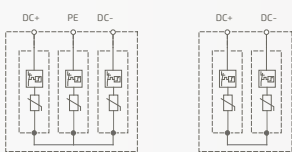
- Made in varistor technology (MOV+MOV+MOV)

DC T2

DIMENSIONS



CONNECTION DIAGRAMS



VCX-T2-DC



PROTECTORS DC

ELECTRICAL PROPERTIES

product code	series	class	type	nominal voltage Ucpv (+/PE, -/PE) V DC	nominal discharge current Iimp (10/350)kA [T1] (+/PE, -/PE)	nominal discharge current In (8/20)kA [T2] (+/PE, -/PE)	max discharge current Imax (kA) 8/20	number of poles	voltage protection level Up (+/-) (+/PE, -/PE)	auxiliary switch
DC C3P 1200V ORANGE	VCX-T2-DC	T2	varistor	≤1200 DC	-	20 kA	40 kA	3	<4,5 kV	no
DC C3P 1000V ORANGE STYK	VCX-T2-DC + contact	T2	varistor	≤1000 DC	-	20 kA	40 kA	3	<4,0 kV	yes

MODULAR AND CONTROL EQUIPMENT

PR8HM 10kA



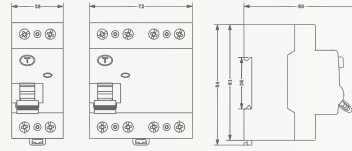
PR8HM TYPE AC 10kA 2P

PR8HM TYPE AC 10kA 4P

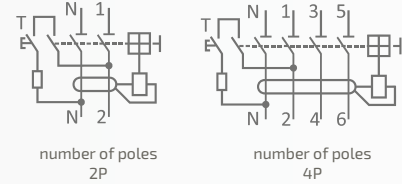
RESIDUAL CURRENT CIRCUIT BREAKERS 10kA PR8HM

The **PR8HM type A/AC** residual current circuit breakers are used in electric circuits supplied with **50/60 Hz** current with rated voltage of **230 V** for two-pole circuit breakers and **400 V** for four-pole circuit breakers and with rated current from **16 A to 63 A**.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	type	rated short-circuit strength (kA)	rated fault current (mA)	rated current (A)	number of poles	quantity per package
PR8HM 10kA	PR8HM	A or AC	10	30, 100, 300	16, 25, 40, 63	2 or 4	3 pc or 6 pc

PR8NM 6kA



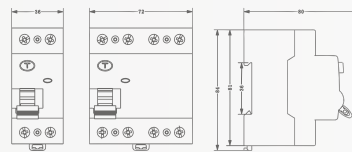
PR8NM TYPE AC 6kA 2P

PR8NM TYPE AC 6kA 4P

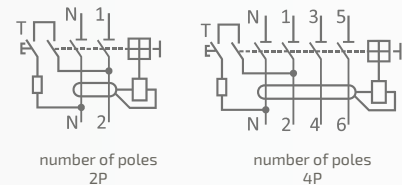
RESIDUAL CURRENT CIRCUIT BREAKERS 6kA PR8NM

PR8NM type A/AC line residual current circuit breakers are used in electrical circuits supplied with **50/60 Hz** with a rated voltage of **230 V** for two-pole circuit breakers and **400 V** for four-pole circuit breakers and a rated current of **16 A to 63 A**.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	type	rated short-circuit strength (kA)	rated fault current (mA)	rated current (A)	number of poles	quantity per package
PR8NM	PR8NM	A or AC	6	30, 100, 300	16, 25, 40, 63	2 or 4	3 pc or 6 pc
PR8HM	PR8HM	A or AC	10	30, 100, 300	25, 40, 80, 100	2 or 4	3 pc or 6 pc

PR8HM 10kA TYPE B

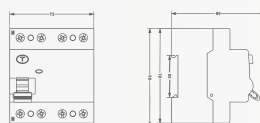


PR8HM 10kA TYPE B

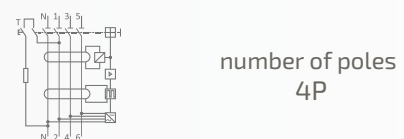
RESIDUAL CURRENT CIRCUIT BREAKERS 10kA PR8HM TYPE B

The **PR8HM type B** residual current operated circuit breakers are used in electrical circuits supplied with **50/60 Hz** current with rated voltage of **400 V** and rated current of **25 A to 63 A**.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

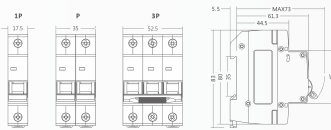
product code	series	type	rated short-circuit strength (kA)	rated fault current (mA)	rated current (A)	number of poles	quantity per package
PR8HM	PR8HM	B	10	30, 100, 300	25, 40, 63	4	3 szt

MODULAR AND CONTROL EQUIPMENT

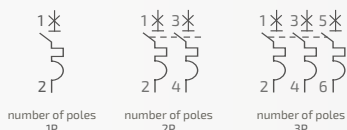
RESIDUAL CURRENT CIRCUIT BREAKERS 6kA SB6L

SB6L circuit breakers are used for overload and overvoltage protection of electrical circuits operating at 230/400 V 50/60 Hz and rated current from 2A to 120A.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	characteristics	rated short-circuit strength (kA)	rated current (A)	number of poles	quantity per package
SB6L	SB6L	B	6	6, 10, 13, 16, 20, 25, 32, 40, 50, 63	1/2/3	4 pc or 12 pc
SB6L	SB6L	C	6	2, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63	1/3	4 pc or 12 pc
SG6H	SG6H	C	6	100	3	2 pc

SB6L 6kA



SB6L B16



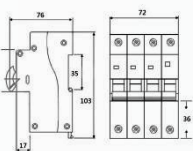
SB6L 1P C20 SB6L 3P C20



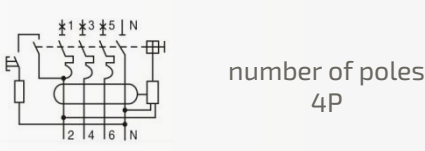
RESIDUAL CURRENT CIRCUIT BREAKERS 6kA WITH OVERCURRENT DEVICE DZ47LE

Residual current circuit breaker with overcurrent device DZ47LE type A/AC is used in electric circuits supplied with 50/60Hz current of rated voltage 400V. It complies with IEC/EN61009-1 standards.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series type	rated short-circuit strength (kA)	rated fault current (mA)	rated current (A)	characteristic of the overcurrent device	number of poles	quantity per package
DZ47LE 3P+N	DZ4LE A/AC	6	30	25, 32, 40, 50, 63	B or C	4(3P+N)	1

DZ47LE 6kA



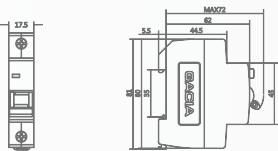
DZ47LE 6kA



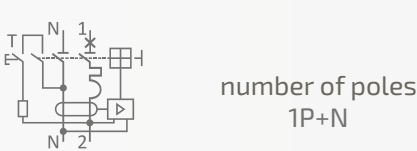
RESIDUAL CURRENT CIRCUIT BREAKERS 6kA WITH OVERCURRENT DEVICE PL8HT

Residual current circuit breaker with overcurrent device PLN8HT typ A is used in electric circuits supplied with 50/60Hz current of rated voltage 230V with changeover current from 6A to 25A. Meets IEC/EN61009-1 standards.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	type	rated short-circuit strength (kA)	rated fault current (mA)	rated current (A)	characteristic of the overcurrent device	number of poles	quantity per package
PL8HT	PL8HT	A	6	30	10, 16, 20, 25	B	1 module (1P+N)	1

PL8HT 6kA



PL8HT B16 6kA

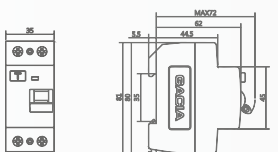


MODULAR EQUIPMENT

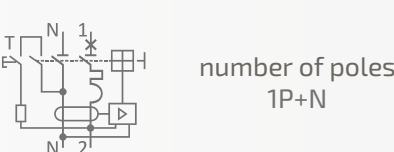
RESIDUAL CURRENT CIRCUIT BREAKERS 6kA WITH OVERCURRENT DEVICE SL6N

SL6N type AC residual current operated circuit breaker with overcurrent module is used in electrical circuits supplied with AC 50/60Hz with rated voltage of 230V. It meets IEC/EN61009-1 standards.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	type	rated short-circuit strength (kA)	rated fault current (mA)	rated current (A)	characteristic of the overcurrent device	number of poles	quantity per package
SL6N	SL6N	AC	6	6	6, 10, 16, 20, 25	B or C	2 (1P+N)	6

SL6N 6kA



SL6N B16 6kA



MODULAR AND CONTROL EQUIPMENT

BREAKERS DL/SDL/NC



DL 1P

DL/SDL 3P



DL 4P



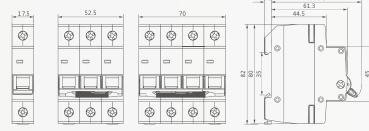
NC 4P

ISOLATING BREAKERS DL / SDL

DL/SDL/NC series isolating switches are designed as main switches for electrical circuits operating at 230/400 V AC 50/60 Hz and rated current from 40A to 125A, as well as for connecting electrical circuits under load.

The SDL model is designed for use with the SHT rise-trigger, UVT undervoltage trigger and ALT alarm (signalling) contact.

DIMENSIONS



DL 1P

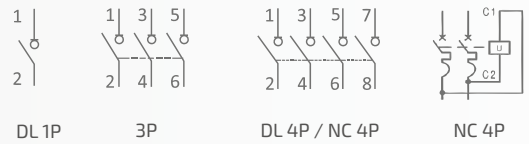
DL 3P

DL 4P



NC 4P

CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	rated current (A)	number of poles	integrated rising trigger	quantity per package
DL	DL	40, 63, 100	1, 3 or 4	no	3, 4 or 12 pc
SDL	SDL	63	3	no	4 pc
NC100H 4P	NC	100	4	yes	1

CONTACTORS HC



HC 1P 25A

HC 2P 25A



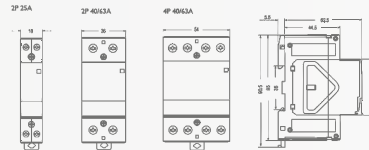
HC 4P 40A

MODULAR CONTACTORS HC

HC modular contactors are used for controlling 1 and 3 phase systems.

HC modular contactors can also be used to control various systems, e.g. lighting, heating, ventilation, etc.

DIMENSIONS

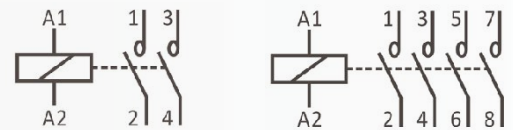


HC 1P 25A

HC 2P 25A

HC 4P 40A

CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	contact position	rated current (A)	number of poles	quantity per package
HC	HC	NO - contact	20, 25, 40, 63	1, 2 or 3	4, 6 or 12 pc

PB8T10kA



PB8T 1P



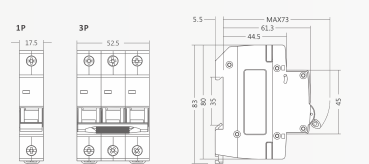
PB8T 3P

POWER LIMITER PB8T 10kA

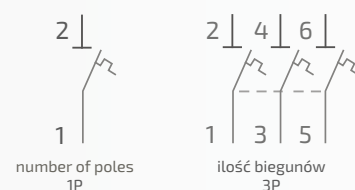
Power limiters PB8T 10kA are designed to be mounted in electric switchboard as precircuit protection.

Their task is to selectively switch off in relation to overcurrent protection of the customer.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	short circuit capacity	number of poles	rated current (A)	nominal current	quantity per package
PB8T 10kA	PB8T	10	1 or 3	16, 20, 25, 32, 40, 63	230/400V 50-60Hz	4 pc or 12 pc

CONTROL AND SUPERVISORY EQUIPMENT

MOTOR SWITCHES GV-2



GV-2

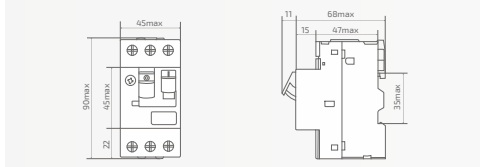


GV-2-MC02

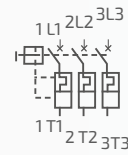
MOTOR SWITCHES GV-2

The **VCX GV-2** motor switches are used to protect electric motors against short circuits and overloads. They also allow manual switching on and off of motors.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	product	series	adjustment range	short-circuit resistance	rated voltage	category	number of poles	contacts	IP	quantity per package
GV2	MOTOR SWITCHES	GV	0,16-0,25; 0,25-0,4; 0,4-0,63; 0,63-1,0; 1,0-1,6; 1,6-2,5-4,0; 4,0-6,3; 6,3-10; 9,0-14,0; 13,0-18,0	6kV	230/400V	A, Ac3	3	3	20	1 pc
GV2 MC02	CASE	GV2-MC02	-	-	-	-	-	-	54	1 pc

CONTACTORS SC/CJX2



SC

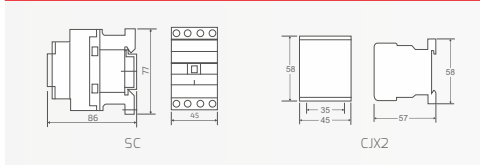


CJX2

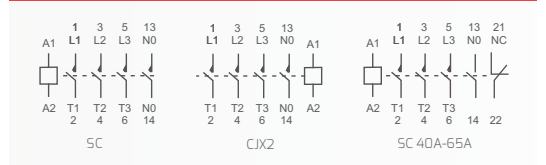
CONTACTORS

Contactors **SC/CJX2** series are designed for use in building automation systems, office or industrial installations, to control systems such as ventilation, lighting, pump systems, etc.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	model	rated current	nominal current	contact	number of poles	cable dimension (mm²)	quantity per package
SC	SC	9A, 12A, 18A, 25A, 32A, 40A, 50A, 65A	24V or 230V	1 NO (9A-32A)/1NO +1NC (40A-65A)	3	1-6 mm²	1
CJX2 K0910 1NO	CJX2	9A	24V or 230V	1 NO	3	1-6 mm²	1

SELECTOR SWITCH SF



SF 2P



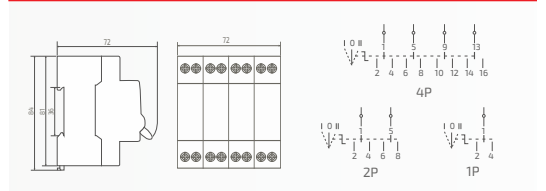
SF 4P

SELECTOR SWITCH SF

Change-over switches for power source selection ("Grid or Generator"), is a solution used for switching between types of power supply.

In case of lack of power from the network it enables switching to energy from aggregate or other so called emergency power source.

DIMENSIONS AND CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	model	rated current In max (A)	isolation voltage	operating voltage	rope/wire (mm²)	number of bays	quantity per package
SF	SF	63	690V AC	400V AC / 50Hz	1-16mm²	1/2/3/4	2

DESKTOP SWITCHES



AA35



AD25



BE101



AA45



F86



AL8325



F87



AS543



F88

DESKTOP SWITCHES

Desktop switches - are devices that are designed to be mounted in boreholes (standardised) and are used in control and signalling panels or directly in the bodies of machinery and equipment.

ELECTRICAL PROPERTIES

product code	series	model	name	color	switches	number of slots	cable dimension (mm²)	quantity per package
XB5 AA35 Z 1NO+1NC	XB5	AA35	SINGLE BUTTON	GREEN	1NO+1NC	-	1-4mm²	1
XB5 AA45 C 1NO+1NC	XB5	AA45	SINGLE BUTTON	RED	1NO+1NC	-	1-4mm²	1
XB5 AL8325 Z/C 1NO+1NC	XB5	AL8325	SINGLE BUTTON	GREEN/RED	1NO+1NC	-	1-4mm²	1
XB5 AS543 C 2NO	XB5	AS543	MUSHROOM CAP BUTTON	RED	2NO	-	1-4mm²	1
XB5 AD25 2 POZ. 1NO+1NC	XB5	AD25	2-POSITION PEN SWITCH	GREY/BLACK	1NO+1NC	-	1-4mm²	1
F86	F	86	CASSET	GREY	-	1	-	1
F87	F	87	CASSET	GREY	-	2	-	1
F88	F	88	CASSET	GREY	-	3	-	1
XB5 BE101 STYK Z 1NO	XB5	BE101	AUXILIARY CONTACT	GREEN	1NO	-	-	1
XB5 BE102 STYK C 1NC	XB5	BE102	AUXILIARY CONTACT	RED	1NC	-	-	1

CONTROL AND SUPERVISORY EQUIPMENT

KYM COMPACT DISCONNECTOR

KYM compact circuit-breakers are installation elements which are designed for breaking and reclosing electrical circuits.

As a protection element, it is recommended for installation due to its high performance, including fast resetting and reclosing capability.

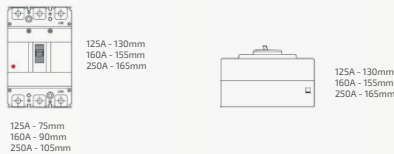
Equipped with isolation barriers.

KYM compact circuit breakers are compatible with the **SHT 125/160/250** shunt release.

CONNECTION DIAGRAMS



DIMENSIONS



COMPACT DISCONNECTOR KYM



COMPACT DISCONNECTOR KYM



SHUNT RELEASE SHT

ELECTRICAL PROPERTIES

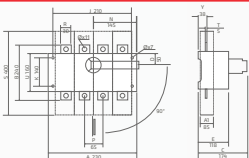
product code	model	In (A)	Ui (AC)	Uimp (kV)	category	Ue	Icw	Icm	number of poles	quantity per package	Growth trigger 230V (optionally)
KYM	KYM	125/160/250	690V	6	AC22	400v	3,2kA	5,0kA	3	1	SHT125/SHT160/SHT250

HGL isolating switch disconnectors are used for the distribution of electrical energy in three-phase AC circuits.

Functions:

- on/off switching of electrical circuits under load
- Disconnection of electrical circuits
- Used as a main switch
- Resistant to high voltage and short circuits in a protected circuit
- Does not have a protection function

DIMENSIONS



ELECTRICAL PROPERTIES

product code	name	Ie	category	electrical strength (number of cycles)	mechanical strength (number of cycles)>10000	Number of changeover poles
HGL	HGL	400A	AC23A	>5000	>10000	3

DISCONNECTOR HGL



VCX-PV375-3

AUTOMATIC PHASE CHANGEOVER RM - PS1

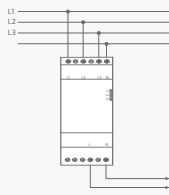
The automatic phase changeover is used to maintain continuity of supply to single-phase consumers in the event of a phase failure or a drop in the supply phase.

The device is based on a microcontroller. The switching time is: **150ms**, with priority phase. The device detects a lower or higher voltage than expected. It has an **LED** indication. It is mounted on a **DIN** rail.

DIMENSIONS



CONNECTION DIAGRAMS



AUTOMATIC PHASE CHANGEOVER RM - PS1



RM - PS1

ELECTRICAL PROPERTIES

product code	name	input voltage	output voltage	max load	minimum voltage	max voltage	return hysteresis	power consumption	operating temperature
RM-PS1	RM-PS1	3x400 V +N, 3x230 V +N	230 V AC	(AC-1)*16A L1, L2, L3	190 V L1, L2, L3	280 V	10 V	1.6 W	-25~40 C

TIMERS

AHC 15D / AHC 614L



AHC 15D



AHC 614L

DIGITAL TIME SWITCHES AHC614L i AHC15D

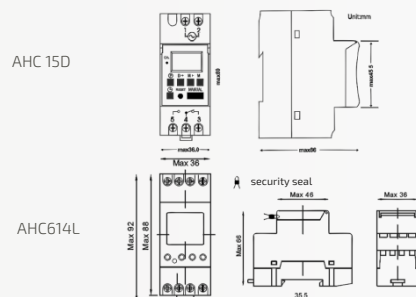
The **AHC614L** and **AHC15D** digital time switches are used for timing control in automation systems. They operate based on a user-configurable time schedule.

Model **AHC614L** - two-channel astronomical timer with automatic display backlighting.

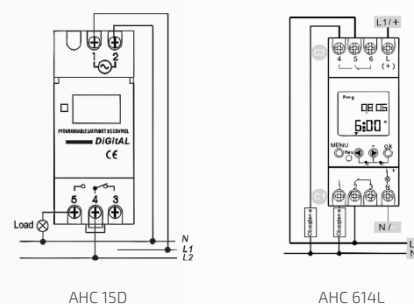
Model **AHC15D** - single channel weekly timer.

The timers are equipped with an internal battery which guarantees continuous operation in case of power failure.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	model	number of channels / programs	power consumption	programs	contacts	supply voltage	quantity per package
AHC 15D	AHC 15D	C1/20 programs	3 VA max	weekly, manual	1NO/NC	85-265V AC	1
AHC 614L	AHC 614L	C1/16 programs + C2/16 programs	7,5 VA max	astronomical, time-based, manual, holiday	2NO/NC	12/24/48V AC&DC, 220V AC	1

ENERGY METERS MID

SDM 120D/72D/72DR/72Bi



SDM 120D



SDM 72Bi

SINGLE PHASE COUNTER SDM120 SERIES (MID)

The **SDM120D (MID)** electricity meter is designed to display single phase AC electricity consumption with **1/B class** accuracy. The meter is compliant with EU Directive 2004/22/EC, called **MID** (Measuring Instrument Directive) dated 31 March 2004. The meter measures active energy (kWh) by means of a pulse output.

THREE-PHASE COUNTERS SDM72 SERIES (MID)

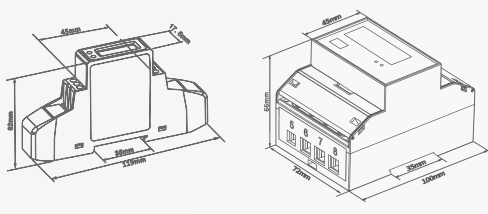
SDM72 series meters are three-phase meters with backlit **LCD** display indicating various meter operating parameters, applicable in energy metering for industrial and commercial applications. Equipped with pulse output.

The meters are compliant with Directive 2004/22/EC, called the Measuring Instrument Directive (**MID**), dated 31 March 2004. Model **SDM72 Bi** - measures and displays total active energy and power consumption. Equipped with a reset option.

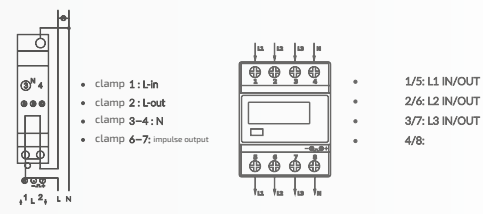
Model **SDM72 D** - measures and displays active energy consumption (kWh). Model **SDM72 DR** - measures and displays active energy consumption (kWh) and power (W). Model equipped with an option to reset active energy indication.

The unit measures active energy (kWh) via pulse output.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	series	model	number of phases	rated voltage	operating voltage	surge voltage protection	current	max. rated current	inrush current	overload resistance	power consumption	display	impulse output	quantity per package
SDM	SDM	120D	1	230	176/276 V	6kV1,2μs	5A	45A	0,4% Ib	30 I _{max} - 0,01s	30 I _{max} - 0,01s	1000imp/kWh	yes	1
SDM	SDM	72Bi	3	230/400V AC (3~)	80% - 120% Un	6kV-1,2/50μs	10A	100A	0,4% Ib	30 I _{max} - 0,01s	30 I _{max} - 0,01s	1000imp/kWh	yes	1
SDM	SDM	72D	3	230/400V AC (3~)	80% - 120% Un	6kV-1,2/50μs	10A	100A	0,4% Ib	30 I _{max} - 0,01s	30 I _{max} - 0,01s	1000imp/kWh	yes	1
SDM	SDM	72DR	3	230/400V AC (3~)	80% - 120% Un	6kV-1,2/50μs	10A	100A	0,4% Ib	30 I _{max} - 0,01s	30 I _{max} - 0,01s	1000imp/kWh	yes	1

ENERGY METERS

The **DTS-1946** energy consumption meter with data transmission is a direct three-phase AC meter. It has **RS-485** and **Modbus - RTU** port.

DTS-1946 power consumption meter provides real-time measurement of the following parameters:

- voltage, current; active current, reactive current, apparent power, power factor, frequency, maximum and minimum values.

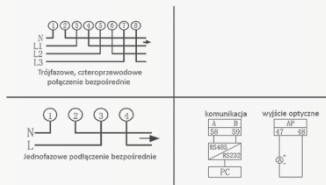
Measurement functions performed by the device: bidirectional active energy measurement, bidirectional reactive energy measurement, four-quadrant reactive energy measurement, apparent power, multi-rate energy measurement: total current consumption from multiple tariffs.

It has **12** time intervals with four rate (tariff) settings. The user can divide the **24-hour** operating range into **12** time intervals and select the appropriate rate from the four available settings for each interval separately. The user can also set an automatic reading time. The meter allows storing measurement data from the last three months.

DIMENSIONS



CONNECTION DIAGRAMS



DTS-1946



DTS-1946



ELECTRICAL PROPERTIES

product code	model	number of phases	rated voltage	current	max. current nominal	current/entry CT	voltage range	port RS485	display	optical interface	accuracy	quantity per package
DTS-1946	DTS-1946	3	100A	5A	6kV	1,5 (6) A	0.8Un ~ 1.2 Un	Modbus-RTU protocol, transmission speed up to 9600bps	LCD	yes	Voltage Current: Class 0.2, Power, Active energy: class 0.5S, Reactive energy: class2	1 pc

Model **S-238-A** electronic three-phase 4-wire electricity meter is fully compliant with the relevant technical requirements for a class 1 three-phase active energy meter; it directly and accurately measures positive active energy, and the **7-digit LCD** display shows active energy consumption; it features high reliability, small size, light weight, aesthetic appearance, advanced technology, installation on a standard **35mmDIN** rail.

Model offered in a version that allows the indication to be reset: **S-238-A RESET**.

The meter is used to measure three-phase active energy consumption with a rated frequency of **50Hz** or **60Hz**.

S-238-A/S-238-A RESET

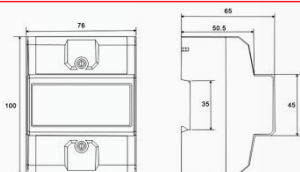


S-238-A
S-238-A RESET

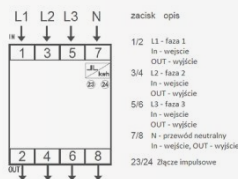


ENERGY METERS

DIMENSIONS



CONNECTION DIAGRAMS



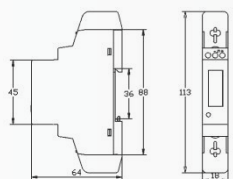
ELECTRICAL PROPERTIES

product code	model	number of phases	rated voltage	rated current (maximum)	frequency	accuracy	impulse output
S238A	S-238-A	3	3x230/400V	5(100)A	50/60Hz	1	yes
S238A RESET	S-238-A RESET	3	3x230/400V	5(100)A	50/60Hz	1	yes

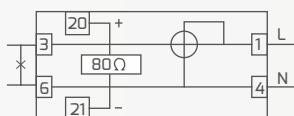
ELECTRONIC SINGLE-PHASE ENERGY METER DDS238

Model **DDS238** - single phase electronic energy meter is used to indicate the energy consumption of **50/60Hz** frequency and **220-230V AC**. The product is equipped with memory that retains the indication in case of power loss and **LCD** display.

DIMENSIONS



CONNECTION DIAGRAMS



DDS238



DDS238



ELECTRICAL PROPERTIES

product code	model	number of phases	rated voltage	rated current (maximum)	frequency	accuracy	impulse output
DDS238	DDS238	1	220-240V	5(45)A	50/60Hz	1	yes

PHOTOVOLTAICS

OVERCURRENT CIRCUIT BREAKERS DC

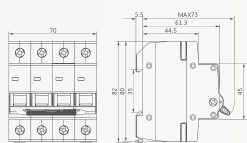


XYDB7

XYDB7 series overcurrent circuit breakers are designed to protect photovoltaic installation circuits as an overcurrent circuit breaker.

XYDB7 series overcurrent circuit breakers are designed for protection of direct current (DC) circuits with rated voltage up to **1000V DC** as protection of cables and power consumers against short circuits and overloads.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	model	rated current In (A)	rated breaking capacity (Icu)	number of poles	rated voltage (Un)	mechanical durability	electrical durability
XYDB7 4P DC C	XYDB7	13, 16, 20, 25, 32	6kA	4	1000V DC	20000	5000

CIRCUIT BREAKERS DC



FMPV-1200V-DC



CYKB-63+MX+OFF

INSULATING CIRCUIT BREAKER FMPV-1200V DC

DC FMPV 4-pole circuit breakers are used for phase and power disconnection of specific parts of the installation. The switch disconnecter is conductive under rated conditions and under certain conditions also during overloads, short circuits and other failures. The switch disconnects the circuit under rated and overload conditions. The switch disconnecter has a rotary operating mechanism **ON/OFF** and the possibility to lock the knob by placing a padlock.

INSULATING CIRCUIT BREAKER CYKB-63+MX+OFF

CYKB-63+MX+OFF 5-pole DC isolating circuit breakers are used for phase and power supply disconnection of specific parts of the installation. The disconnecter is integrated with a triggering device allowing to remotely disconnect the circuit.

ELECTRICAL PROPERTIES

product code	model	rated current	nominal voltage	operating temperature	impulse voltage	degree of protection	as a main disconnector	continuous current rating	as service disconnector	number of phases	Ithe Solar 40 st.C	Ithe Solar 60 st.C	growth trigger	quantity per package
FMPV 1200V DC	FMPV-1200V-DC	32A DC	1200V DC	-40 ~ +85 deg. C	8kV	Ip20	yes	32A	yes	4	16A	13A	-	1
CYKB63+MX+OFF	CYKB-63+MX+OFF	32A DC	1000V DC	-40 ~ +85 deg. C	8kV	Ip20	yes	32A	yes	4	-	-	120-230V AC/ 120 DC	2

CONNECTORS

CONNECTORS

Electrical connectors commonly used to connect solar panels.



VCX MC4 1000V DC



VCX MC4 1500V DC



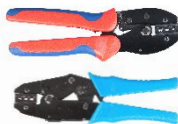
VCX MC4 1000V DC FUSE



MC4 for distribution center LTM01



MC4 2-WAY CONNECTOR



CABLE CRIMPER MC4



TEE WITH CABLES



LTM2 CONNECTOR SPANNER

ELECTRICAL PROPERTIES

product code	series	rated current (A)	rated voltage (V DC)	possibility to mount a fuse link	opakowanie
ZS 1000V 30A DC	SOLAR CONNECTION 1000V DC METAL CONNECTIONS	30	1000	no	1
ZS 1500V	SOLAR CONNECTION 1500V DC	32	1500	no	1
ZS DC	SOLAR CONNECTION 1000V DC FUSE	32	1000	yes	1
ZS PV LTM01 1000V	SOLAR CONNECTION FOR DISTRIBUTION CENTER LTM01	32	1000	no	1
ZS T3	2-WAY SOLAR CONNECTION	32	1000	no	1
ZS T4	3-WAY SOLAR CONNECTION	32	1000	no	1
ZS T5	4-WAY SOLAR CONNECTION	32	1000	no	1
ZS Y3	2-WAY SOLAR CONNECTION WITH CABLE	32	1000	no	1
ZS Y5	4-WAY SOLAR CONNECTION WITH CABLE	32	1000	no	1
LT002	CABLE CRIMPER RED Lt002	-	-	-	1
LT003	CABLE CRIMPER BLUE Lt003	-	-	-	1
LTM2 KL	LTM2 CONNECTOR SPANNER	-	-	-	1

PHOTOVOLTAICS

CYLINDRICAL PROTECTION FUSESgPV

Cylindrical fusible links **10×38, 1000V DC** are used to protect photovoltaic installations and low voltage **DC** installations.
Working category g: full range protection.

ELECTRICAL PROPERTIES

product code	model	rated current (A)	rated voltage (V DC)	characteristics	quantity per package
ST 10PV G	ST 10PV	6, 10, 12, 15, 16, 20, 25, 32	1000	gPV	10
CF 10PV	CF 10PV	6, 10, 12, 15, 16, 20, 25, 32	1000	gPV	10

PROTECTION FUSES gPV



ST 10PV

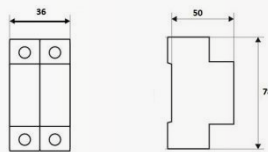
CF 10PV

PHOTOVOLTAICS

FUSE BASE FS-32

FS-32 PV 2P 1-32A 1000VDC modular fuse base for use with **gPV 10x38mm** solar links.

DIMENSIONS



ELECTRICAL PROPERTIES

product code	model	input	number of modules	nominal current Un	rated current In max (A)	triggering indicator	quantity per package
FS 32 2P PRO	FS-32	10x38	2	1000V DC	32A	no	6

FUSE BASE FS-32



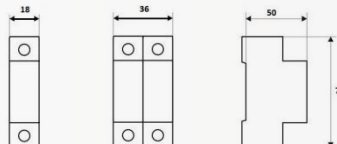
FS-32



FUSE BASE CFPV-32

CFPV-32 PV 2P modular fuse base, **1-32A 1000VDC**, **1-32A 1000VDC** for use with **gPV 10x38mm** solar links.

DIMENSIONS



ELECTRICAL PROPERTIES

product code	model	input	number of modules	nominal current Un	rated current In max (A)	triggering indicator	quantity per package
CF PV32 1P	CFPV-32 1P	10x38	1	1000V DC	32A	no	12
CF PV32 2P	CFPV-32 2P	10x38	2	1000V DC	32A	no	6

FUSE BASE CFPV-32



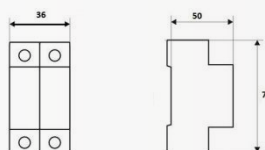
CFPV-32



FUSE BASE CFPV-32

CFPV-32 PV 2P modular fuse base, **1-32A 1000VDC**, **1-32A 1000VDC** for use with **gPV 10x38mm** solar links.

DIMENSIONS



ELECTRICAL PROPERTIES

product code	model	input	number of modules	nominal current Un	rated current In max (A)	triggering indicator	quantity per package
CF PV32 2P P0DS	CFPV-32 2P	10x38	2	1000V DC	32A	yes	6

FUSE BASE WITH TRIGGERING INDICATOR CFPV-32



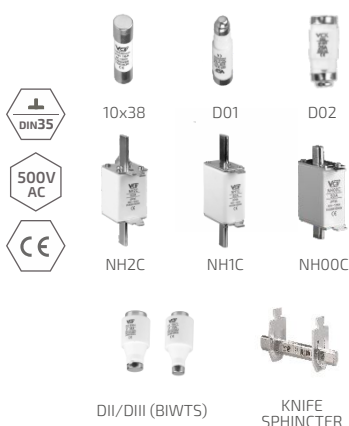
CFPV-32



FUSES AND ACCESSORIES

FUSE LINKS

FUSES AND ACCESSORIES



FUSE LINKS

Fuse, fuse link - a type of electrical protection in which the continuity of an electrical circuit is interrupted by the melting of one of its components. The main part of a fuse is the fusible element built into the fuse link. The fuse is an electrical conductor that heats up as a result of current flowing through it. When too much current lasts for a long time, the fuse then heats up to the temperature at which it melts. When the flux burns through, an electric arc is ignited, when the value of the flowing current drops to zero the arc goes out and the current stops flowing.

The fuse-links, industrial, delayed, compact series: **NH00C / NH1C / NH2C** are fuse-links with **gG** (delayed) and **gL** (full-range) tripping characteristics. **DII/DIII** fuse-links, so called **BIWTS**, are fuse-links with **gF** (fast) and **gL** (full range) characteristics.

10x38, D01 and **D02** fuse-links with **gG** (delayed) and **gL** (full range) tripping characteristics.

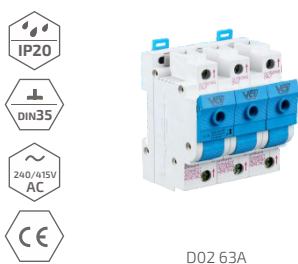
Knife sphincter are components of electrical installations and are intended for changes in network configuration, switching operations, changes in function of network elements or/and during network measurements.

Knife sphincter are used for short-circuiting current circuits in fuse bases.

ELECTRICAL PROPERTIES

product code	type	rated current (A)	characteristics	rated voltage	quantity per package
10x38	10x38	6, 10, 16, 20, 25, 32	gG/gL	500V	20
D01	D01	6, 10, 16	gG/gL	500V	40
D02	D02	20, 25, 30, 35, 50, 63	gG/gL	500V	20
DII / DIII (BIWTS)	DII / DIII (BIWTS)	6, 10, 16, 20, 25, 30, 35, 50, 63	gF/gL	500V	10 (DIII/E27) or 20 (DIII/E33)
NH00C	NH00C	16, 20, 25, 30, 35, 50, 63, 80, 100, 125, 160	gG/gL	500V	5
NH1C	NH1C	16, 20, 25, 30, 35, 50, 63, 80, 100, 125, 160, 200, 250	gG/gL	500V	5
NH2C	NH2C	50, 63, 80, 100, 125, 160, 200, 250, 315	gG/gL	500V	5
ZN 160A NT00	NT00 KNIFE SPHINCTER	160	-	-	1
ZN 250A NT1	NT1 KNIFE SPHINCTER	250	-	-	1
ZN 400A NT2	NT2 KNIFE SPHINCTER	400	-	-	1

FUSE BASE FOR D02 FUSE LINKS

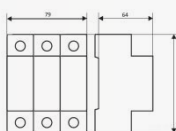


D02 63A

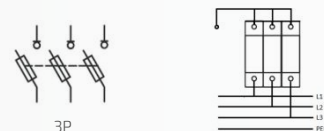
The **D02-63/3P fuse base** for **D02** fuse-links is used to mount a **D02**-size fuse-link and integrate it into the current path.

It is suitable for **DIN-busebar** mounting and is equipped with an inspection window for checking the status of the fuse-link.

DIMENSIONS



CONNECTION DIAGRAMS



ELECTRICAL PROPERTIES

product code	model	insert	number of modules	rated current max	quantity per package
D02 63A 3P	D02-63/3P	D02	3	63A	2

CONNECTION BOX UKK



UKK80

Modular Connection boxes are used in low voltage enclosures to separate current circuits.

They are constructed with connection terminals protected in a plastic enclosure with a cover.

ELECTRICAL PROPERTIES

product code	model	cable cross-section mm ²	output	prąd znamionowy	rated voltage	quantity per package
UKK 80	UKK80	6-16mm ² x1	2,5-6mm ² x 4 / 2,5-16mm ² x 2	80A	690V	1
UKK 125	UKK125	10-35mm ² x1 / 6-16mm ² x1	2,5-16mm ² x 6	125A	690V	1
UKK 160	UKK160	10-50mm ² x1 / 6-16mm ² x1	2,5-16mm ² x 6	160A	690V	1

FUSES AND ACCESSORIES

MODULAR CONNECTION BOXES

Modular Distribution Blocks are used in low voltage enclosures to separate current circuits. They are constructed with connection terminals protected in a plastic enclosure with a cover.

ELECTRICAL PROPERTIES

product code	model	cross section of assembly cable - flexible(mm2)	cross section of cable (mm2)	number of fields	rated current (A)	number of holes	holes Ø5,5mm	holes Ø7,5mm	holes Ø9mm	quantity per package
BLK 27	207	1,5-6; 6-15	2,5-6; 10-25	2	125A	7	5	2	-	1
BLK 211	211	1,5-6; 6-15; 10-16	2,5-6; 10-25; 10-35	2	125A	11	5	5	5	1
BLK 47	407	1,5-6; 6-15	2,5-6; 10-25	4	125A	7	5	2	2	1
BLK 411	411	1,5-6; 6-15; 10-16	2,5-6; 10-25; 10-35	4	125A	11	7	2	2	1
BLK 415	415	1,5-6; 6-15; 10-16	2,5-6; 10-25; 10-35	4	125A	15	11	2	2	1

MODULAR CONNECTION BOXES



211



411



FUSES AND ACCESSORIES

DIN35 RAIL

DIN rail Type: 0

- standard metal mounting rail, developed by Deutsches Institut für Normung (hence the name: **DIN**), used for mounting modular apparatus, as well as other electrical and electronic devices in electrical switchboards.

ELECTRICAL PROPERTIES

product code	series	length	width	quantity per package
SZ DR 101	SZ DR 101	1m	35mm	10



SZ DR 101



ELECTRICAL BUS-BAR

The **VCX ELECTRICAL BUS-BAR** allow to power single and three-phase devices through one line.

ELECTRICAL PROPERTIES

product code	series	type	rated current amperage (A)	number of modules	quantity per package
SZK63A 1F 12X1M	VCX-63A 1F 12x1M	1p	63	12x1	10
SZK63A 3F 4X3M	VCX-63A 3F 4x3M	3p	63	4x3	5
SZD63A 1F 54X1M	VCX-63A 1F 54x1M	1p	63	54x1	10
SZD63A 3F 18X3M	VCX-63A 3F 18x3M	3p	63	18x3	5

ELECTRICAL BUS-BAR



3P 63A 12U



RAIL SOCKET WITH GROUNDING

Bus-mounted socket is a modular electrical apparatus designed to connect and power devices, lighting, etc. It is a single phase **230V** socket mounted on a **Th35** rail. The socket is equipped with a grounding pin.

ELECTRICAL PROPERTIES

product code	model	rated current amperage (A)	working voltage	width	rated insulation voltage Ui	installation	quantity per package
GN TH	EBSA2	16A	230V	45mm	500V	DIN 35mm	5

TH35 RAIL SOCKET



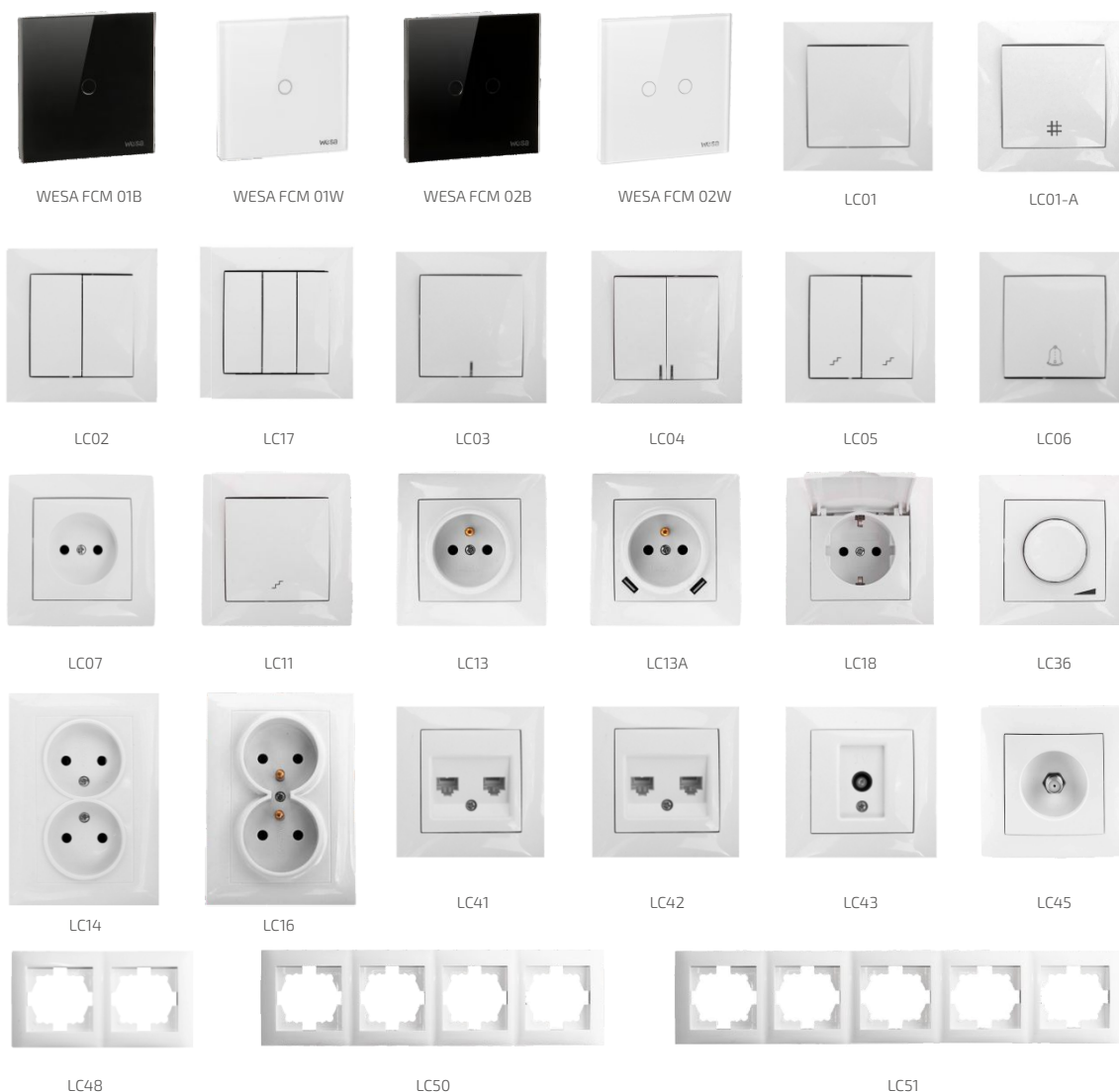
EBSA2



SOCKETS AND FLUSH-MOUNTED SWITCHES

WESA LINE

WESA



ELECTRICAL PROPERTIES

product code	model	name	operating current voltage	operating current	quantity per package
WESA FCM 01B	WESA FCM 01B	SINGLE GLASS TOUCH SWITCH - BLACK	230V	10A	1
WESA FCM 01W	WESA FCM 01W	SINGLE GLASS TOUCH SWITCH - WHITE	230V	10A	1
WESA FCM 02B	WESA FCM 02B	DOUBLE GLASS TOUCH SWITCH - BLACK	230V	10A	1
WESA FCM 02W	WESA FCM 02W	DOUBLE GLASS TOUCH SWITCH - WHITE	230V	10A	1
LC01	LC01	SINGLE SWITCH	230V	10A	1
LC01-A	LC01-A	CROSS SWITCH	230V	10A	1
LC02	LC02	DOUBLE SWITCH	230V	10A	1
LC17	LC17	TRIPLE SWITCH	230V	16A	1
LC03	LC03	SINGLE SWITCH WITH BACKLIGHT	230V	10A	1
LC04	LC04	DOUBLE SWITCH WITH BACKLIGHT	230V	10A	1
LC05	LC05	DOUBLE TWO-WAY SWITCH	230V	10A	1
LC06	LC06	RINGER BUTTON	230V	10A	1
LC07	LC07	SINGLE SOCKET	230V	16A	1
LC11	LC11	2-WAY SWITCH	230V	10A	1
LC12	LC12	SINGLE BLIND SWITCH	230V	10A	1
LC13	LC13	SINGLE SOCKET WITH GROUNDING	230V	16A	1
LC13-A	LC13-A	SINGLE SOCKET WITH GROUNDING + 2x USB	230V	16A	1
LC14	LC14	DOUBLE SOCKET	230V	16A	1
LC16	LC16	DOUBLE SOCKET WITH GROUNDING	230V	16A	1
LC18	LC18	SOCKET WITH FLAP TYPE: SCHUKO	230V	16A	1
LC36A LED	LC36A	ROTARY DIMMER 800W	230V	10A	1
LC41	LC41	DOUBLE COMPUTER SOCKET	-	-	1
LC42	LC42	PHONE/COMPUTER SOCKET	-	-	1
LC43	LC43	TV SOCKET	-	-	1
LC45	LC45	SATELLITE SOCKET type F	-	-	1
LC48	LC48	DOUBLE FRAME	-	-	1
LC49	LC49	TRIPLE FRAME	-	-	1
LC50	LC50	QUADRUPLE FRAME	-	-	1
LC51	LC51	5-FOLD FRAME	-	-	1





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