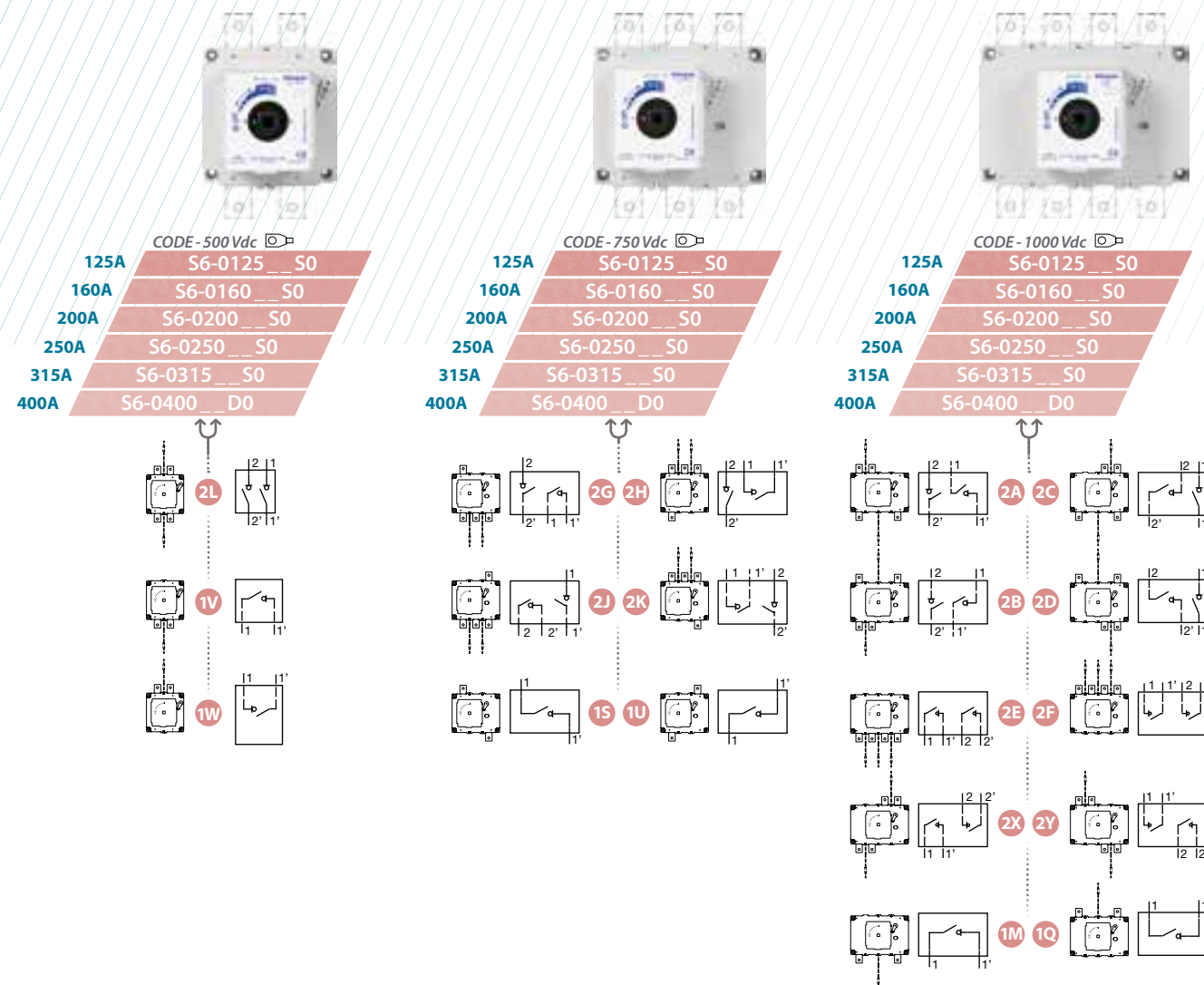


S6000 DC

Switch - disconnecter

base mounting 1P - 2P



Technical features

According to IEC/EN 60947-1
IEC/EN 60947-3

		125	160	200	250	315	400
Rated thermal I _{th} current in ambient at	40° C	A 125	160	200	250	315	400
	50° C	A 125	160	200	250	315	400
	60° C	A 125	160	200	250	315	400
Rated insulation voltage (DC)	U _i	V 1500	1500	1500	1500	1500	1500
Rated dielectric strength	50 Hz, 1 min.	V 5000	5000	5000	5000	5000	5000
Rated impulse withstand voltage	U _{imp}	kV 12	12	12	12	12	12
Rated operational current ⁽¹⁾	Code 500Vdc	A 125	160	200	250	315	400
	Code 750Vdc	A 125	160	200	250	315	400
	Code 1000Vdc	A 125	160	200	250	315	400

		125	160	200	250	315	400
Short - circuit behaviour							
Rated short-circuit making capacity ⁽²⁾	I _{cm} kA (peak)	10	10	10	10	10	10
Rated short-time withstand current (1sec)	I _{cw} kA rms	10	10	10	10	10	10
Conditional short - circuit current ⁽³⁾	kA rms	100	100	100	100	100	100
Mechanical features							
Minimum number of mechanical operations ⁽⁴⁾	Cycles	20000	20000	20000	20000	20000	20000
Maximum weight		Consult according to code					

⁽¹⁾ Other voltages and / or utilization categories. Please consult

⁽²⁾ Without limiting protective device (short-circuit maintained 50... 100 ms.)

⁽³⁾ With limiting protective device which set a limit to peak value short-circuit making capacity and maximum power dissipation to indicated values

⁽⁴⁾ Please consult us for more operations

Accessories



Direct handle

CODE DS-SI11



Panel handle included shaft ^(e1)

IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SA11



Panel handle without shaft

IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SA14

Shafts

Standard shaft included ^(e1)

L (mm)	P (mm)
227	103... 256

Shaft extensions

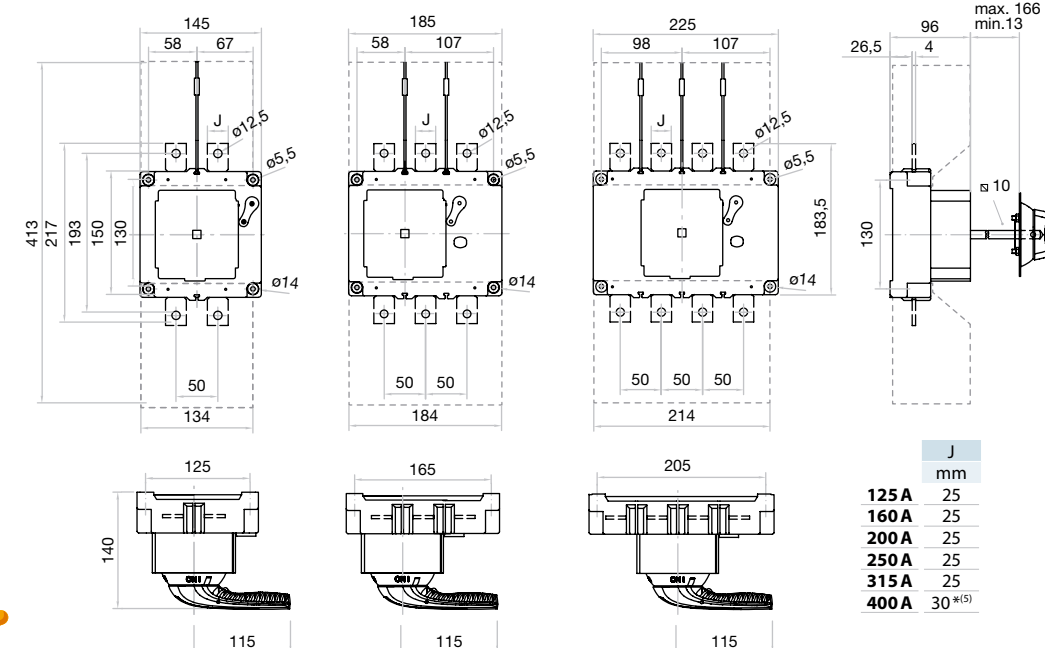
Type 1		
L (mm)	P (mm)	CODE
375	103... 415	DS-EP14
Type 2		
L (mm)	P (mm)	CODE
536	103... 576	DS-EP15

Auxiliary contacts

1NA+1NC CODE D5LAU01
2NA+2NC CODE D5LAU02

I_e = 16 A (resistive loads)
4 A (inductive loads) at 250 Vac.

Dimensions (mm)



Terminal shrouds

CODE DR-CU11 (1 unit)
CODE DR-CU12 (1 unit)
CODE DR-CU13 (1 unit)

Phase barriers

CODE DR-SF11 (1 unit)
CODE DR-SF12 (2 units)
CODE DR-SF13 (3 units)

Spacers

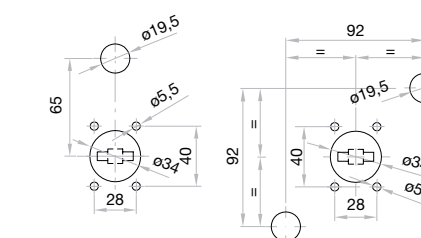
CODE DR-EL11 (4 units)

Safety key lock device

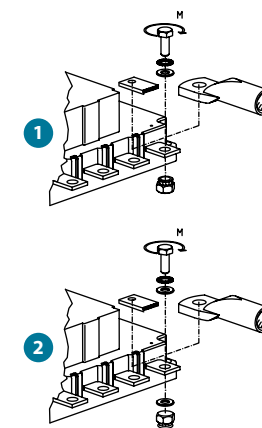
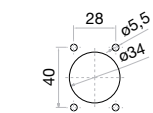
Simple CODE DS-CA11
Double CODE DS-CE11

For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked

Panel drilling for handle and keylock device
Simple Double



Panel drilling for panel handle



	S max (Cu) mm ²	H max (Cu) mm	L max (Cu) mm	T	M
125 A	95	5	25	M10	18
160 A	95	5	25	M10	18
200 A	120	7	25	M10	18
250 A	150	7	25	M10	18
315 A	185	7	25	M10	18
400 A	240 ⁽⁵⁾	7	35 ⁽⁵⁾	M10	18

⁽⁵⁾ Using phase barriers DR-SF __ to maintain the required clearance.

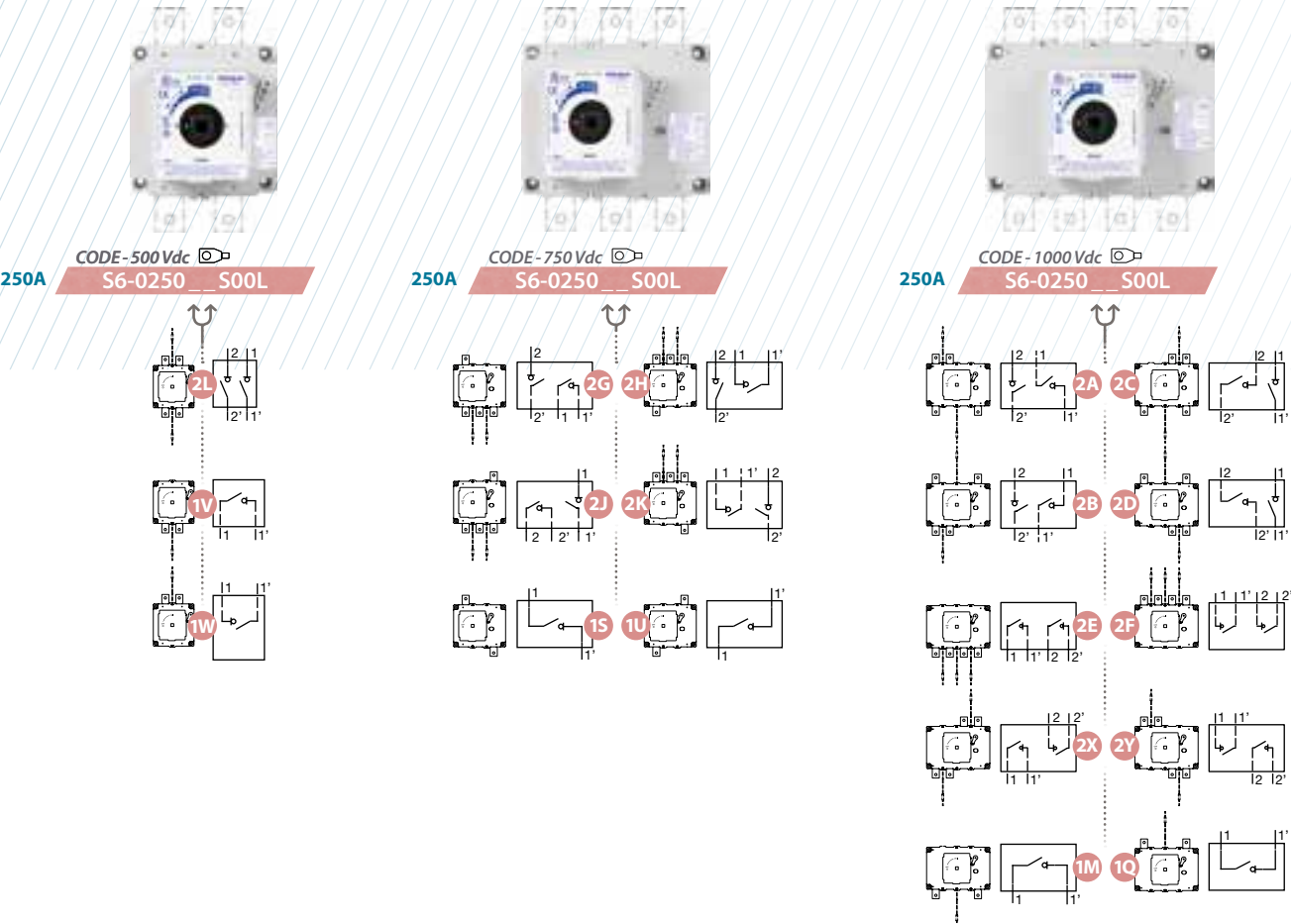


S6000 DC UL Switch - disconnecter base mounting 1P - 2P

Size 1

A 250

500 - 750 - 1000Vdc



Technical features



tests:



According to UL98B

LISTED E333311			250
Rated thermal current	I _{th}	-20°C to +50°C	A 250
Ampere - Rating		Code 500Vdc	A 250
		Code 750Vdc	A 250
		Code 1000Vdc	A 250
Rated short-circuit current	I _{cc}	kA	10
Overload			
Number of operations on overload (2xI _e)		Cycles	400
Endurance			
Number of electrical operations		Cycles	
Maximum weight		Consult according to code	
Wiring capacity			
Minimum connection wire range/AWG		MCM	400
Maximum connection wire range/AWG		MCM	400

250 A
Conforms to UL98B. Minus 20 to +50°C. PV disconnects switch. Location Category B 1000Vdc 250 A Torque: 159 lbf·in. Short circuit rating: 10 kA
Suitable for Use in PV Systems in accordance with Article 690 of the NEC
IEC-60947-3 Uimp 12kV DC21B-1000Vdc-250 A Ui 1500Vdc Ith 250 A

Accessories

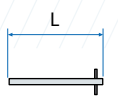
**>> Direct handle**
CODE DS-SI11

**>> Panel handle** included shaft ^{*(e1)}
IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SA11

**>> Panel handle** without shaft
IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SA14

**>> Terminal shrouds**
CODE DR-CU11 (1 unit)
CODE DR-CU12 (1 unit)
CODE DR-CU13 (1 unit)

**>> Phase barriers**
CODE DR-SF11 (1 unit)
CODE DR-SF12 (2 units)
CODE DR-SF13 (3 units)

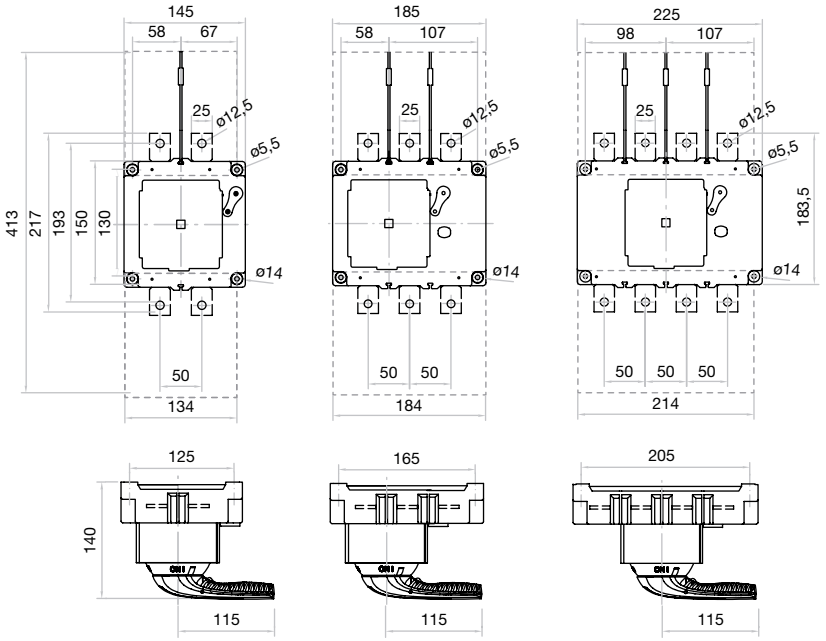
**>> Shafts**
Standard shaft included ^{*(e1)}
L (mm) | P (mm) |
227 | 103... 256 |
Shaft extensions
Type 1
L (mm) | P (mm) | CODE
375 | 103... 415 | DS-EP14
Type 2
L (mm) | P (mm) | CODE
536 | 103... 576 | DS-EP15

**>> Auxiliary contacts**
1NA+1NC CODE D5LAU01
2NA+2NC CODE D5LAU02
I_e = 16 A (resistive loads)
4 A (inductive loads) at 250 Vac.

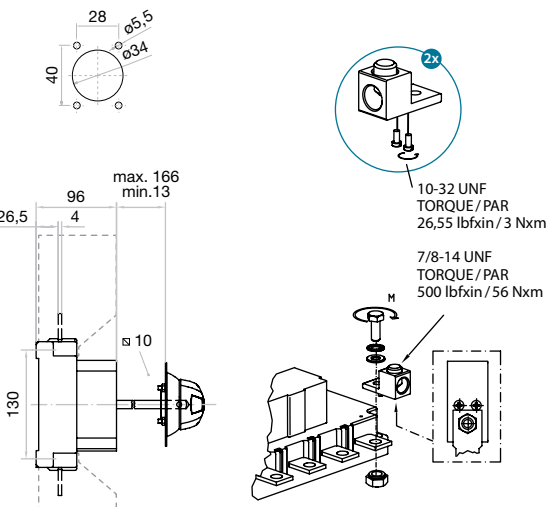
**>> Spacers**
CODE DR-EL11 (4 units)

**>> Terminal lug**
CODE DR-TL11 (2 units)
(Using phase barriers DR-SF__ to maintain the required clearance)

Dimensions (mm)



Panel drilling for panel handle



3/0 85 mm ² min - 400 kcmil 240 mm ² max	Temperature rating	Copper wire only M +5% -10%	Nxm lbf·in
	75°C	M10	18 159

