



S6 DC

Switch - disconnecter for DC current 1P - 2P

Size 1

A 125|160|200|250|315|400

500 - 750 - 1000Vdc



CODE-500Vdc

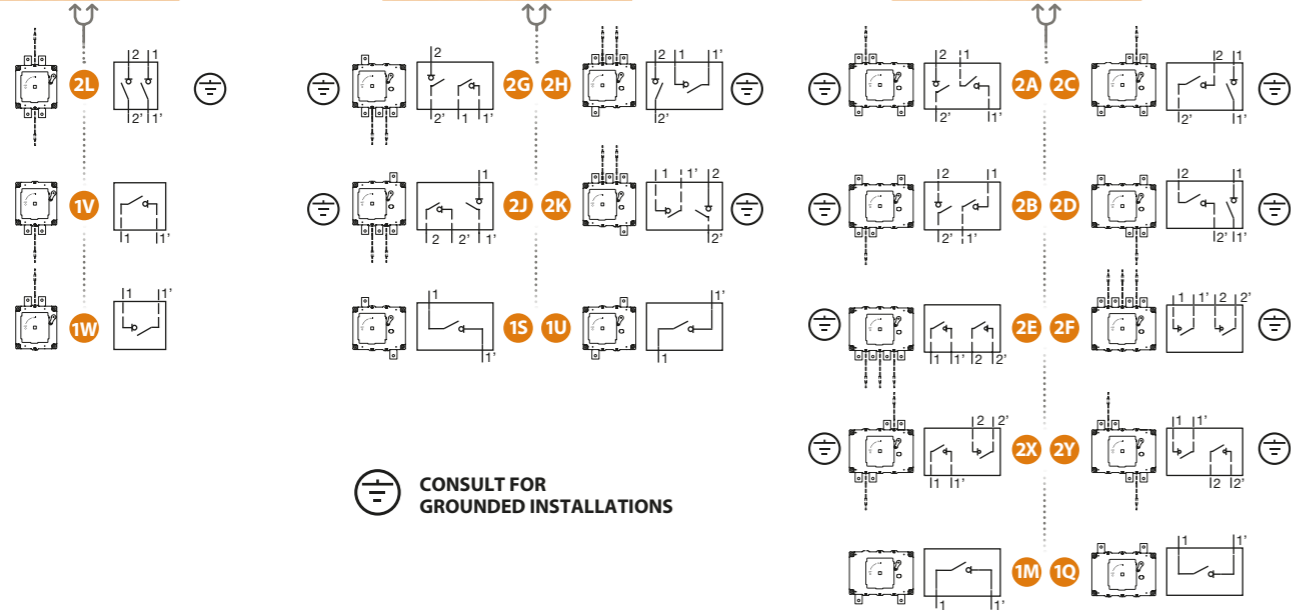
125A	S6-0125__S0
160A	S6-0160__S0
200A	S6-0200__S0
250A	S6-0250__S0
315A	S6-0315__S0
400A	S6-0400__D0

CODE-750Vdc

125A	S6-0125__S0
160A	S6-0160__S0
200A	S6-0200__S0
250A	S6-0250__S0
315A	S6-0315__S0
400A	S6-0400__D0

CODE-1000Vdc

125A	S6-0125__S0
160A	S6-0160__S0
200A	S6-0200__S0
250A	S6-0250__S0
315A	S6-0315__S0
400A	S6-0400__D0



CONSULT FOR GROUNDED INSTALLATIONS

Accessories



Direct handle
CODE DS-SI1



External handle included shaft^(e1)
IP65
CODE DS-SA11



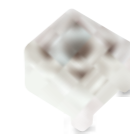
External handle without shaft
IP65
CODE DS-SA14



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)

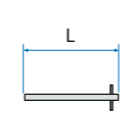
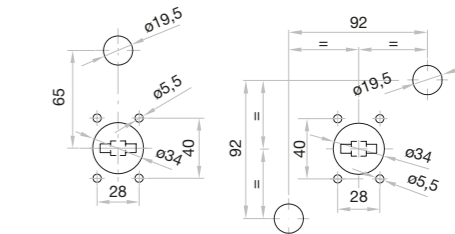


Spacers
CODE DR-EL11 (4 units)

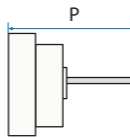


Safety key lock device
Simple CODE DS-CA11
Double CODE DS-CE11
For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked

Door drilling for handle and key lock device
Simple Double



Shafts
Standard shaft included ^(e1)
L (mm) | P (mm) |
227 | 103... 256



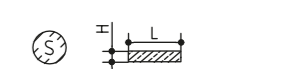
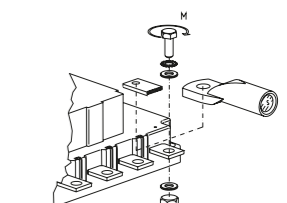
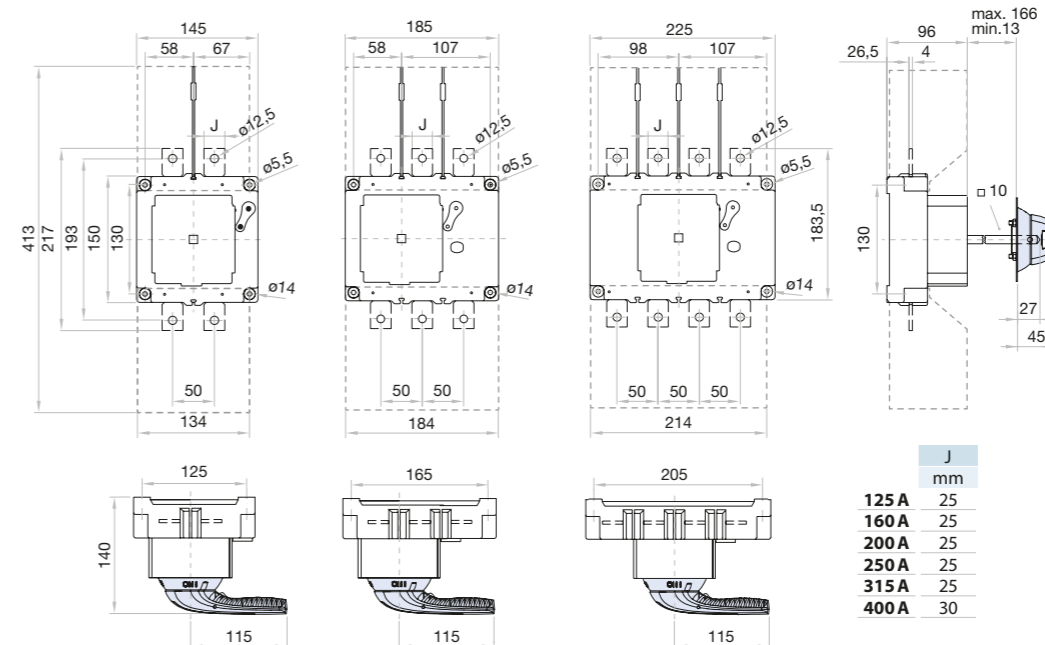
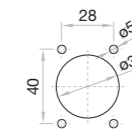
Shaft extensions
Type 1
L (mm) | P (mm) | CODE
375 | 103... 415 | DS-EP14
Type 2
L (mm) | P (mm) | CODE
536 | 103... 576 | DS-EP15



Auxiliary contacts
1NO+1NC CODE D5LAU01
2NO+2NC CODE D5LAU02
Ie = 16 A (resistive loads)
4 A (inductive loads) at 250 Vac.

Dimensions (mm)

Door drilling for external handle



	S max (Cu) mm ²	H max (Cu) mm	L max (Cu) mm	T	M
125 A	185	8	25	M12	24
160 A	185	8	25	M12	24
200 A	185	8	25	M12	24
250 A	185	8	25	M12	24
315 A	185	8	25	M12	24
400 A	240 ^(e1)	8	30	M12	24

^(e1) Using phase barriers DR-SF__ to maintain the required clearance.

Technical information



tests: **AIT** AUSTRIAN INSTITUTE OF TECHNOLOGY TOMORROW TODAY

According to IEC 60947-1
IEC 60947-3

		125	160	200	250	315	400	
Rated thermal current in ambient at	Ith 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)	Ui	V	1500	1500	1500	1500	1500	1500
Rated impulse withstand voltage	Uimp	kV	12	12	12	12	12	12
Rated operational current ^(e1)	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 ^(e2)	Icm kA (peak)	10	10	10	10	10	10
Rated short-time withstand current (1sec)	Icw kA rms	10	10	10	10	10	10
Mechanical features							
Number of mechanical operations (according to the standards, for other values please consult)	Cycles	8000	8000	8000	8000	8000	5000
Maximum weight		Consult according to code					

^(e1) Other voltages and / or utilization categories. Please consult

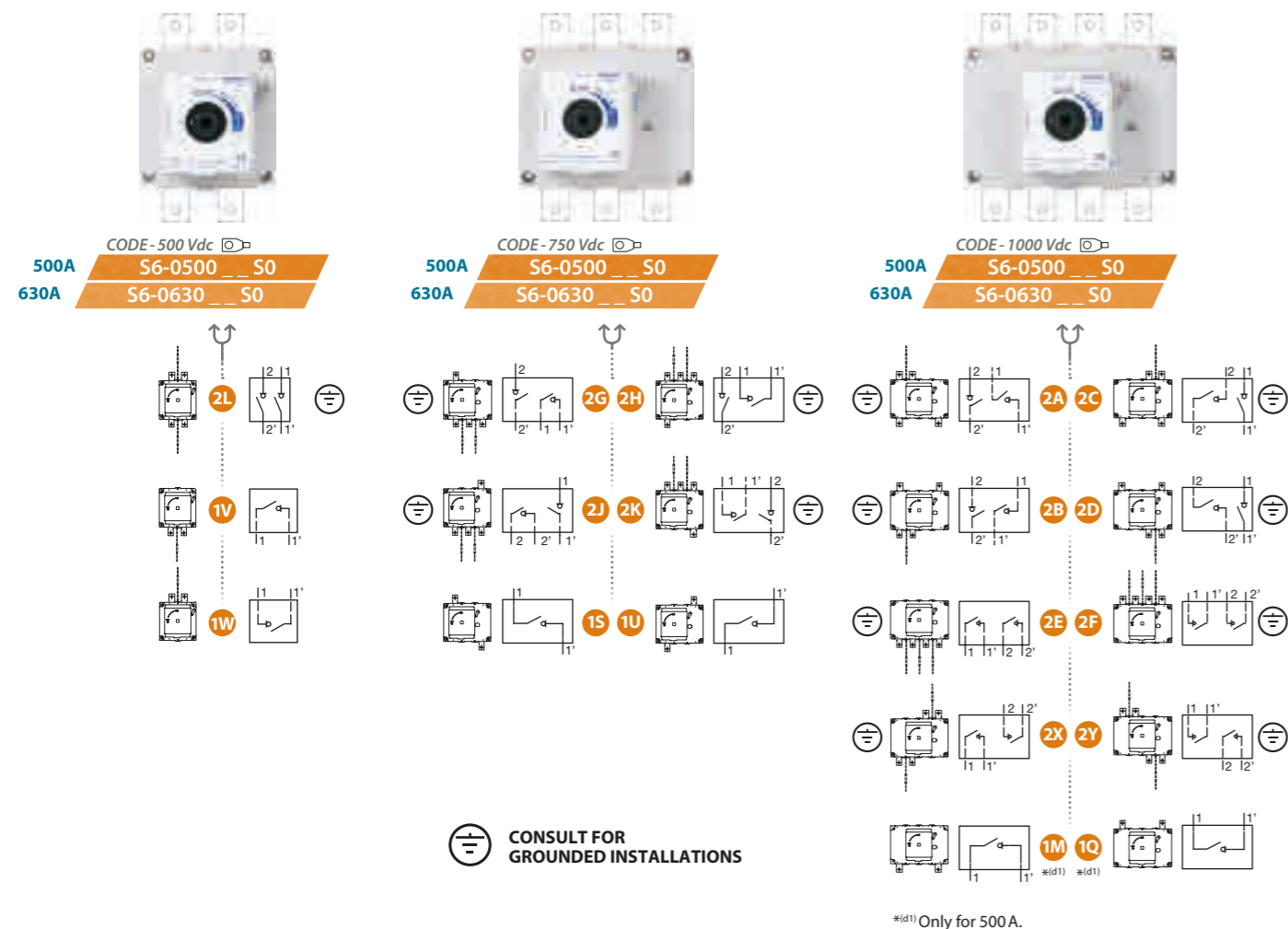
^(e2) Without limiting protective device (short-circuit maintained 50... 100 ms.)



S6 DC

Switch - disconnecter for DC current 1P - 2P

Size 2
A 500|630
 500 - 750 - 1000Vdc



Technical information



According to IEC 60947-1
 IEC 60947-3

			500	630
Rated thermal current in ambient at	lth	40° C	A	500
		50° C	A	500
		60° C	A	630
Rated insulation voltage (DC)	Ui	V	1500	1500
Rated impulse withstand voltage	Uimp	kV	12	12
Rated operational current ⁽¹⁾	Code	500Vdc	A	500
		750Vdc	A	500
		1000Vdc	A	500

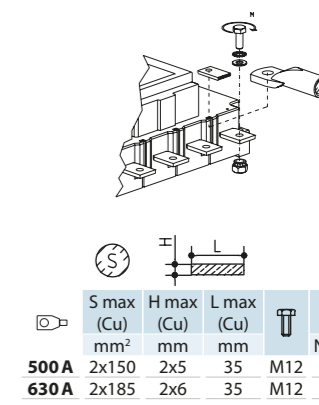
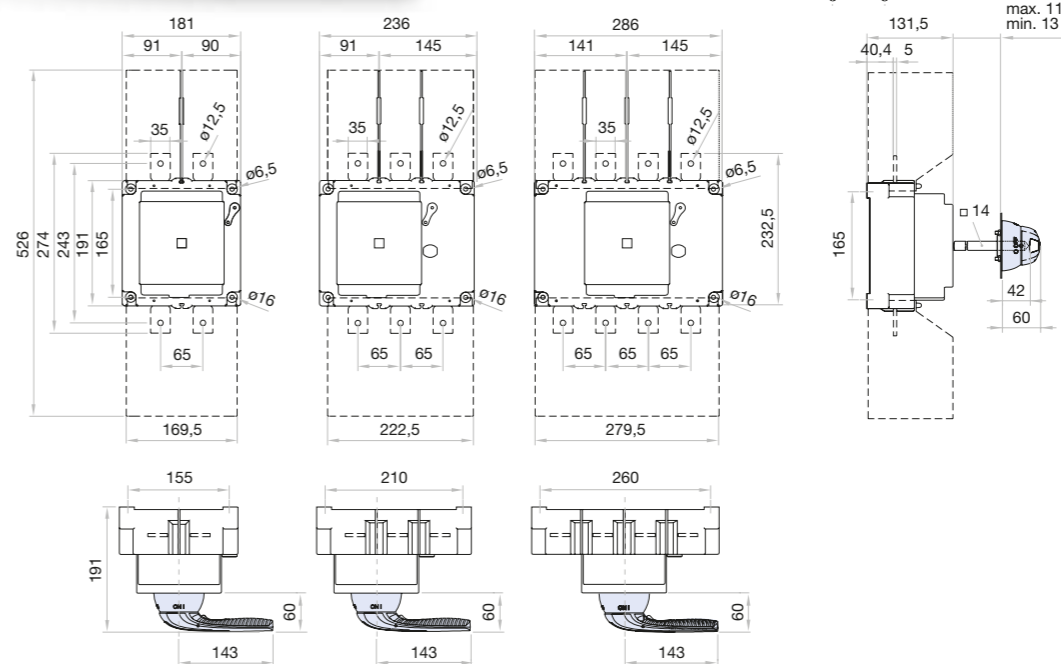
			500	630
Short - circuit behaviour				
Rated short-circuit making capacity ⁽²⁾	Icm	kA (peak)	10	10
Rated short-time withstand current (1sec)	Icw	kA rms	10	10
Mechanical features				
Number of mechanical operations (according to the standards, for other values please consult)	Cycles		5000	5000
Maximum 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.)

Accessories

- Direct handle**
 CODE DS-LI21
- External handle** included shaft ^(e1)
 IP65
 CODE DS-LA21
- External handle** without shaft
 IP65
 CODE DS-LA24
- Terminal shrouds**
 CODE DR-CU21 (1 unit)
 CODE DR-CU22 (1 unit)
 CODE DR-CU23 (1 unit)
- Phase barriers**
 CODE DR-SF21 (1 unit)
 CODE DR-SF22 (2 units)
 CODE DR-SF23 (3 units)
- Spacers**
 CODE DR-EL21 (4 units)
- Shafts**
Standard shaft included ^(e1)
 L (mm) | P (mm) |
 195 | 134... 240 |
Shaft extensions
 Type 1
 L (mm) | P (mm) | CODE
 345 | 134... 400 | DS-EP23
 Type 2
 L (mm) | P (mm) | CODE
 535 | 134... 560 | DS-EP24
- Auxiliary contacts**
 1NO+1NC CODE D5LAU01
 2NO+2NC CODE D5LAU02
 Ie = 16 A (resistive loads)
 4 A (inductive loads) at 250 Vac.

Dimensions (mm)



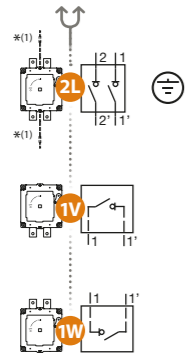
	S max (Cu)	H max (Cu)	L max (Cu)	T	M
500 A	2x150	2x5	35	M12	24
630 A	2x185	2x6	35	M12	24

S6 DC UL Switch - disconnecter for DC current 1P - 2P

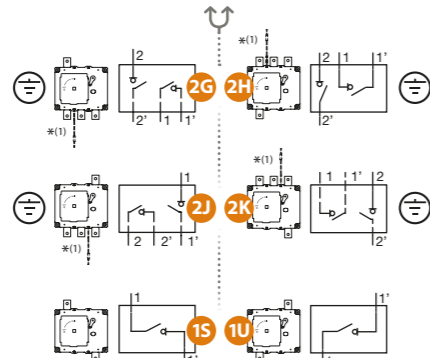
Size 1
A 250
500 - 750 - 1000Vdc



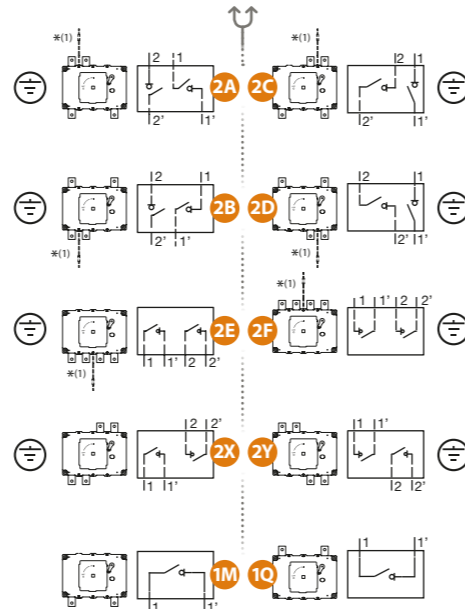
250A CODE-500Vdc S6-0250...S00L



250A CODE-750Vdc S6-0250...S00L



250A CODE-1000Vdc S6-0250...S00L



CONSULT FOR GROUNDED INSTALLATIONS

Technical information



According to UL98B

LISTED E333311			250
Rated thermal current	I _{th}	-20°C to +50°C	A 250
Rated operational current	I _e	Code 500Vdc	A 250
		Code 750Vdc	A 250
		Code 1000Vdc	A 250
Rated short-circuit current	I _{cc}	kA	10
Maximum weight	Consult according to code		
Wiring capacity			
Minimum connection wire range/AWG	MCM	400	
Maximum connection wire range/AWG	MCM	500	

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: 10kA
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 I_{th} 250 A

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Accessories

External handle included shaft^{*(e1)}
IP65
CODE DS-SA11

External handle without shaft
IP65
CODE DS-SA14

Shafts

Standard shaft included^{*(e1)}

L (mm)	P (mm)	CODE
227	103... 256	DS-EP14

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

1NO+1NC CODE D5LAU01
2NO+2NC CODE D5LAU02

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

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)

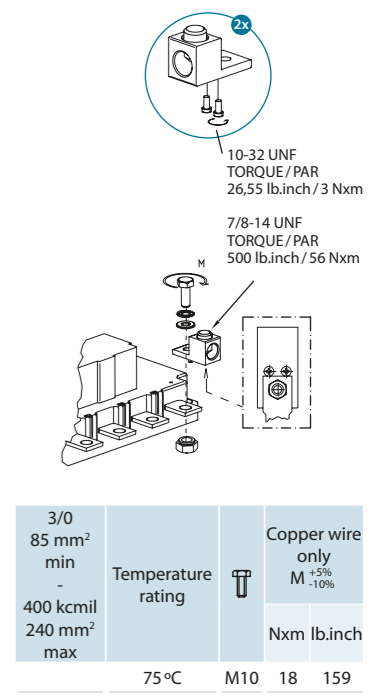
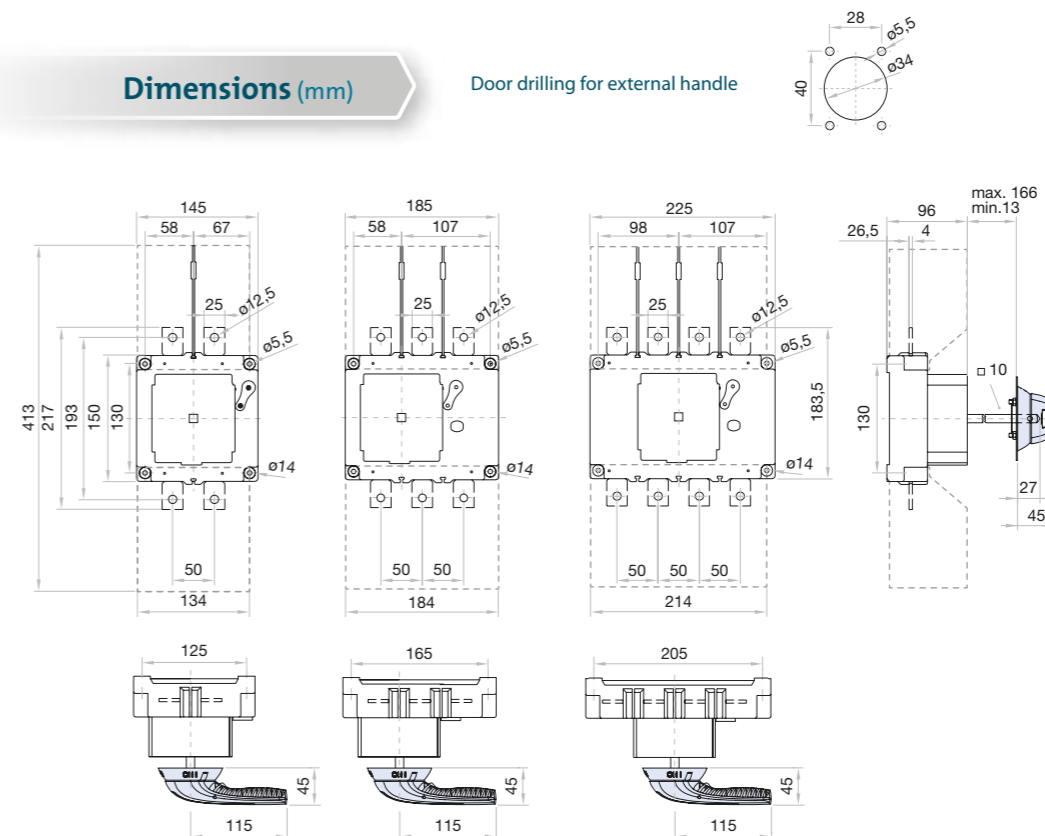
Terminal lug

CODE DR-TL11 (2 units)

^{*(e1)} With Terminal lug use phase barriers DR-SF__ to maintain the required clearance. Mandatory in these models

Dimensions (mm)

Door drilling for external handle



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

S6 DC UL Switch - disconnecter for DC current 1P - 2P

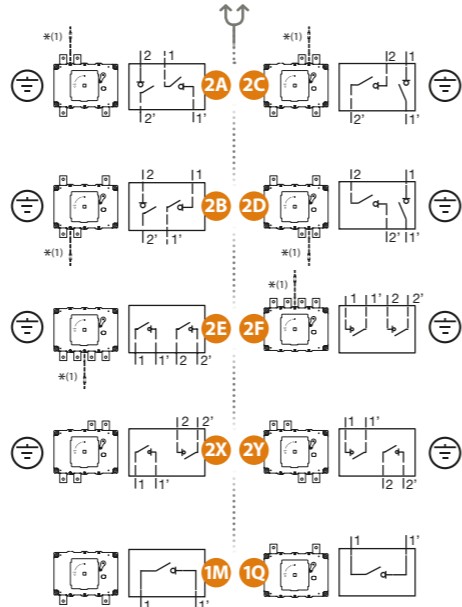
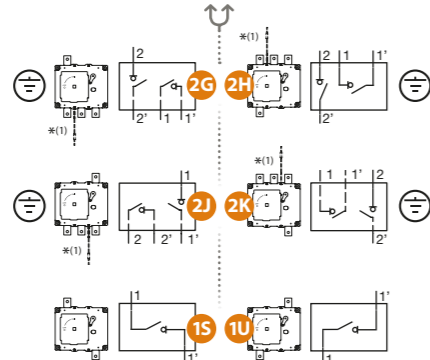
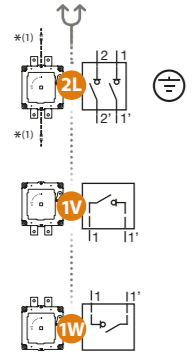
Size 2
A 400
500 - 750 - 1000Vdc



400A CODE-500Vdc S6-0400__S00L

400A CODE-750Vdc S6-0400__S00L

400A CODE-1000Vdc S6-0400__S00L



CONSULT FOR GROUNDED INSTALLATIONS

Technical information

According to UL98 B

LISTED E333311		400
Rated thermal current	I _{th} -20°C to +50°C	A 400
Rated operational current	I _e Code 500Vdc	A 400
	Code 750Vdc	A 400
	Code 1000Vdc	A 400
Rated short-circuit current	I _{cc}	kA 10
Maximum weight	Consult according to code	
Wiring capacity		
Minimum connection wire range/AWG	MCM	2x300
Maximum connection wire range/AWG	MCM	2x350

400 A
Conforms to UL98B. Minus 20 to +50°C. PV disconnects switch. Location Category B
1000 Vdc 400 A Torque: 212 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 12 kV DC21B - 1000 Vdc - 400 A Ui 1500 Vdc I_{th} 400 A

tests: **AIT** AUSTRIAN INSTITUTE OF TECHNOLOGY TOMORROW TODAY



Accessories

External handle included shaft ^{*(e1)}
IP65
CODE DS-LA21

Terminal shrouds
CODE DR-CU21 (1 unit)
CODE DR-CU22 (1 unit)
CODE DR-CU23 (1 unit)

External handle without shaft
IP65
CODE DS-LA24

Phase barriers
CODE DR-SF21 (1 unit)
CODE DR-SF22 (2 units)
CODE DR-SF23 (3 units)

Shafts
Standard shaft included ^{*(e1)}
L (mm) | P (mm) | CODE
195 | 134... 240 |

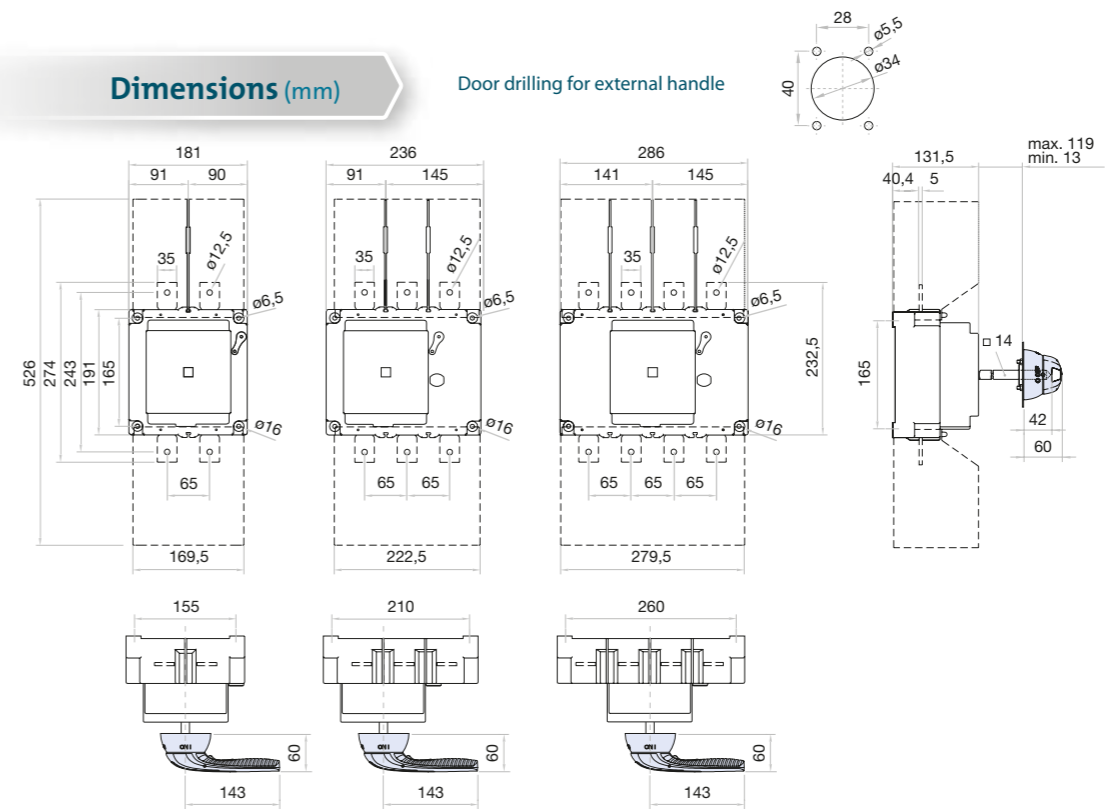
Spacers
CODE DR-EL21 (4 units)

Shaft extensions
Type 1
L (mm) | P (mm) | CODE
345 | 134... 400 | DS-EP23
Type 2
L (mm) | P (mm) | CODE
535 | 134... 560 | DS-EP24

Terminal lug
CODE DR-TL22 (2 units)
^{*(1)} With Terminal lug use phase barriers DR-SF__ to maintain the required clearance. Mandatory in these models

Auxiliary contacts
1NO+1NC CODE D5LAU01
2NO+2NC CODE D5LAU02
I_e = 16 A (resistive loads)
4 A (inductive loads) at 250 Vac.

Dimensions (mm)



DR-TL22
2x
6 AWG
16 mm² min
350 kcmil
185 mm² max
Lug Bolt
11/16-16 UNF
TORQUE / PAR
375 lb.inch
42 Nxm

Temperature rating	Copper wire only M ^{+5%} M ^{-10%}
75°C	M10 24 212