

S5 AC Switch - disconnecter base mounting 3P - 3P+N

Size 3

A 800|1000|1250|2000



CODE-800A

3P S5-08003PRO

3P + N S5-08003NR0



CODE-1000A

S5-10003PC0

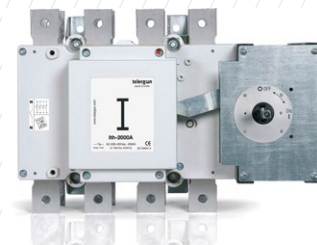
S5-10003NC0



CODE-1250A

S5-12503PC0

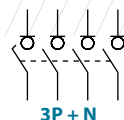
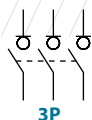
S5-12503NC0



CODE-2000A

S5-20003PC0

S5-20003NC0



Technical information

According to IEC 60947-3



consult



consult

tests:



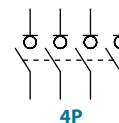
		800 1000 1250 2000					
Rated thermal current in ambient at	Ith	40 °C	A	800	1000	1250	2000
		50 °C	A	800	1000	1125	1800
		60 °C	A	800	900	900	1600
Rated insulation voltage	Ui	V		1000	1000	1000	1000
Rated impulse withstand voltage	Uimp	kV		12	12	12	12
AC rated operational current ^{*(1)} (Rated operational frequency 50 / 60 Hz)	Ie	Ue 400V AC21A	A	800	1000	1250	2000
		Ue 400V AC22A	A	800	1000	1250	2000 ^{*(3)}
		Ue 400V AC23A	A	800	1000	1000	-
Rated breaking capacity	400V AC23	A	6400	8000	8000	6000	
Rated making capacity	400V AC23	A	8000	10000	10000	6000	

^{*(1)} Other voltages and / or utilization categories. Please consult

^{*(2)} Without limiting protective device (short-circuit maintained 50... 100 ms.)

^{*(3)} AC22B

		800 1000 1250 2000				
Short - circuit behaviour						
Rated short-circuit making capacity ^{*(2)}	Icm	kA (peak)	60	60	60	80
Rated short-time withstand current (1sec.)	Icw	kA rms	25	25	25	38
Mechanical features						
Number of mechanical operations (according to the standards, for other values please consult)	Cycles		3000	3000	3000	3000
Maximum weight 3P	Kg		7	7	7	18,5
Maximum weight 3P+N	Kg		7,6	7,6	7,6	20

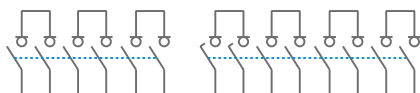


Also available 4P switch - disconnectors under request, please consult

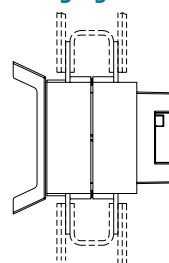
Connection diagram

Connection diagram
between front & rear

BI-1 S5-20003PC0
S5-20003NC0



Bridging links ^{*(P2)}



S5 AC Switch - disconnecter base mounting 3P - 3P+N

Size 4

A 1000|1250|1600|1800|2000



series
S5



CODE-1000A



CODE-1250A



CODE-1600A



CODE-1800A

CODE-2000A

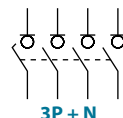
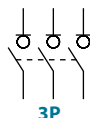
3P
S5-10003PS0
S5-10003NS0

S5-12503PS0
S5-12503NS0

S5-16003PS0
S5-16003NS0

S5-18003PS0
S5-18003NS0

S5-20003PS0
S5-20003NS0



Technical information

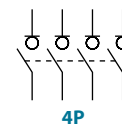
According to IEC 60947-3



		1000 1250 1600 1800 2000						
Rated thermal current in ambient at	Ith	40 °C	A	1000	1250	1600	1800	2000
		50 °C	A	1000	1250	1600	1800	1800
		60 °C	A	1000	1000	1600	1600	1600
Rated insulation voltage	Ui	V	1000	1000	1000	1000	1000	
Rated impulse withstand voltage	Uimp	kV	12	12	12	12	12	
AC rated operational current ^{*(1)} (Rated operational frequency 50/60 Hz)	Ie	Ue 400V AC21A	A	1000	1250	1600	1800	2000
		Ue 400V AC22A	A	1000	1250	1600	1800	2000
		Ue 400V AC23B	A	-	-	1600	1600	1600
		Ue 800V AC21B	A	-	-	-	1600	-
Rated breaking capacity		400V AC23	A	3000	3750	4800	5400	6000
Rated making capacity		400V AC23	A	3000	3750	4800	5400	6000

^{*(1)} Other voltages and / or utilization categories. Please consult
^{*(2)} Without limiting protective device (short-circuit maintained 50... 100 ms.)

		1000 1250 1600 1800 2000					
Short - circuit behaviour							
Rated short-circuit making capacity ^{*(2)}	Icm	kA (peak)	60	60	75	75	75
Rated short-time withstand current (1sec.)	Icw	kA rms	25	25	50	50	50
Mechanical features							
Number of mechanical operations (according to the standards, for other values please consult)	Cycles		3000	3000	3000	3000	3000
Maximum weight 3P		Kg	18,5	18,5	18,5	18,5	18,5
Maximum weight 3P + N		Kg	20,8	20,8	20,8	20,8	20,8



Also available 4P switch - disconnectors under request, please consult



Accessories



» Direct handle

CODE DS-LI41



» External handle included shaft*(e1)

IP65
CODE DS-LA41



» External handle without shaft

IP65
CODE DS-LA43



» Emergency external handle included shaft*(e1)

IP65
CODE DS-LR41



» Terminal shrouds

CODE DS-CU41
(1 kit for input or output)



» Auxiliary contacts

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

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



» Safety key lock device

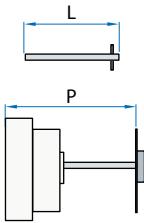
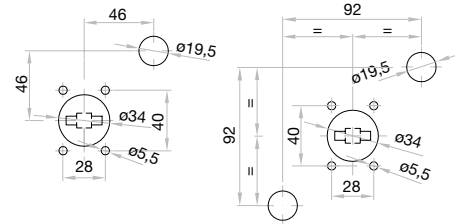
Simple CODE DS-CB41
Double CODE DS-CF41

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)
239	235... 400

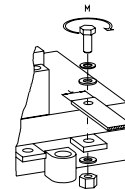
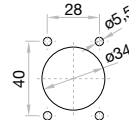
Shaft extensions

Type 1		
L (mm)	P (mm)	CODE
485	235... 686	DS-EP44

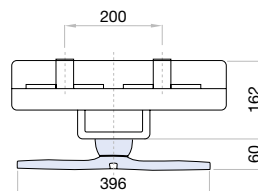
Type 2		
L (mm)	P (mm)	CODE
635	235... 836	DS-EP45

Dimensions (mm)

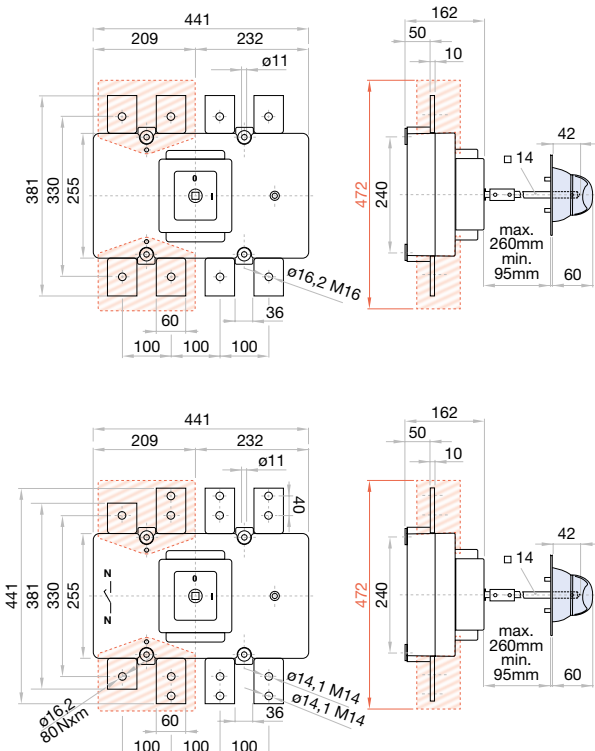
Door drilling for external handle



	H max (Cu)	L max (Cu)	M	M
	mm	mm	T	Nxm
1000 A	2x10	80	M16	80
1250 A	2x10	80	M16	80



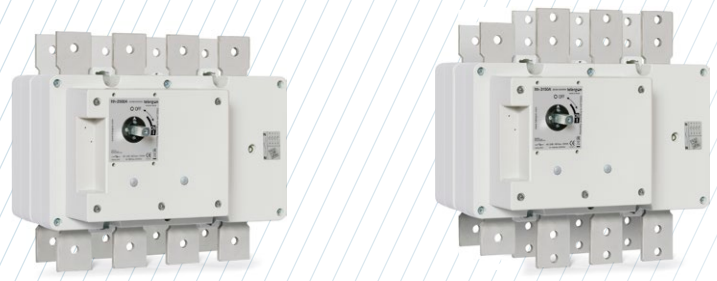
	H max (Cu)	L max (Cu)	M	M
	mm	mm	T	Nxm
1600 A	2x10	80	M14	55
1800 A	2x10	80	M14	55
2000 A	2x10	80	M14	55



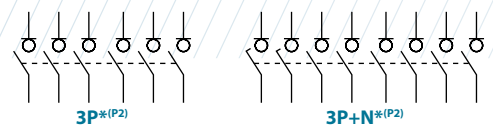
S₅N AC Switch - disconnecter base mounting 3P - 3P+N

series
S5N

Size 5
A 2000|2500|3150



	CODE - 2000A	CODE - 2500A	CODE - 3150A
3P	S5N20003PS0	S5N25003PS0	S5N31503PS0
3P+N	S5N20003NS0	S5N25003NS0	S5N31503NS0



Technical information



According to IEC 60947-3

			2000	2500	3150
Rated thermal current in ambient at	I _{th} 40 °C	A	2000	2500	3150
	50 °C	A	2000	2500	2835
	60 °C	A	2000	2500	2520
Rated insulation voltage	U _i	V	1000	1000	1000
Rated impulse withstand voltage	U _{imp}	kV	12	12	12
AC rated operational current ^{*(1)}	I _e U _e 400V AC21B	A	2000	2500	3150
(Rated operational frequency 50/60 Hz)	U _e 400V AC22B	A	2000	2500	2500

^{*(1)} Other voltages and / or utilization categories. Please consult
^{*(2)} Without limiting protective device (short-circuit maintained 50... 100 ms.)

			2000	2500	3150
Rated breaking capacity	400V AC21	A	-	-	4725
	400V AC22	A	6000	7500	-
Rated making capacity	400V AC21	A	-	-	4725
	400V AC22	A	6000	7500	-

Short - circuit behaviour

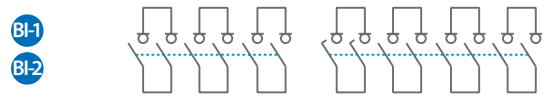
	I _{cm}	kA (peak)	60	60	60
Rated short-circuit making capacity ^{*(2)}					
Rated short-time withstand current (1sec.)	I _{cw}	kA rms	50	50	50

Mechanical features

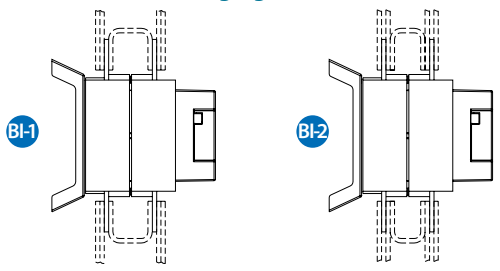
	Cycles	600	600	600
Number of mechanical operations (according to the standards, for other values please consult)				
Maximum weight 3P (without bridging links)	Kg	42,9	42,9	42,9
Maximum weight 3P+N (without bridging links)	Kg	47,3	47,3	47,3

Connection diagram

Connection diagram between front & rear



Bridging links ^{*(P2)}



Accessories



» Direct handle

CODE DS-LI41



» External handle included shaft*(e1)

IP65
CODE DS-LA41



» External handle without shaft

IP65
CODE DS-LA43



» Emergency external handle included shaft*(e1)

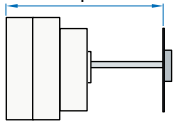
IP65
CODE DS-LR41



» Shafts

Standard shaft included *(e1)

L (mm)	P (mm)
239	458 ... 618



» Bridging links*(P2)

- BI-1 2000 A CODE x2 D5LPC41 (4 units)
- 2500 A CODE x2 D5LPC42 (4 units)
- 3150 A CODE x2 D5LPC42 (4 units)
- BI-2 CONSULT CODE

*(P2) To comply with the operation and electrical features, the bridging links must be assembled to the switch. Please consult.



» Auxiliary contacts

- 1NO+1NC CODE DS-LA101
- 2NO+2NC CODE DS-LA102

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

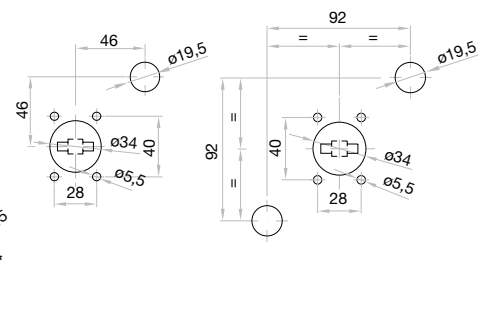


» Safety key lock devices

- Simple CODE DS-CB41
- Double CODE DS-CF41

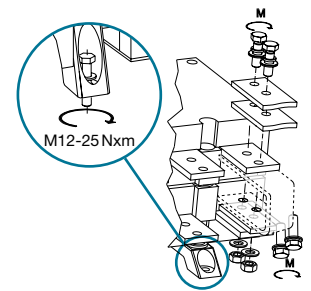
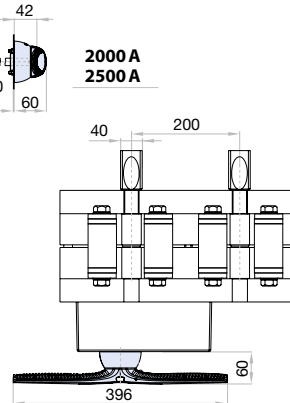
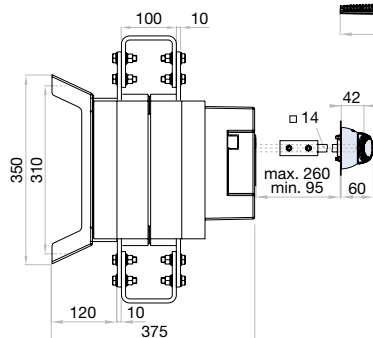
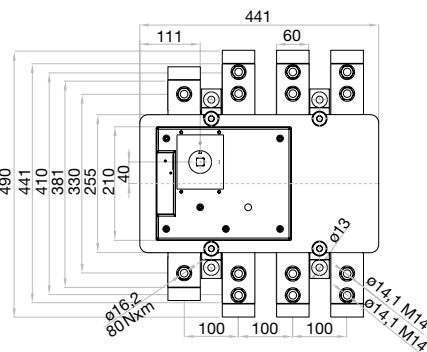
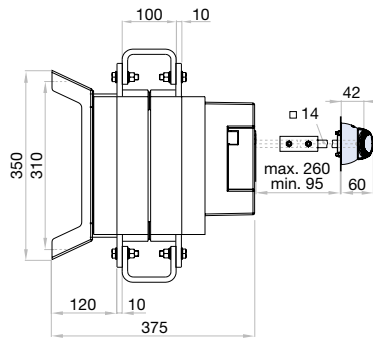
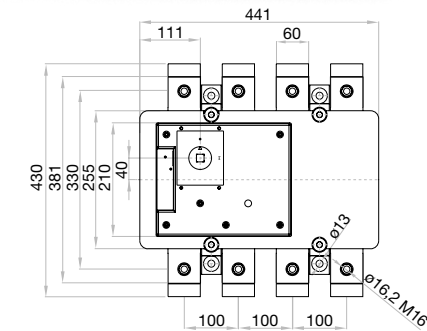
For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked

Door drilling for handle and key lock device



Dimensions (mm)

Door drilling for external handle



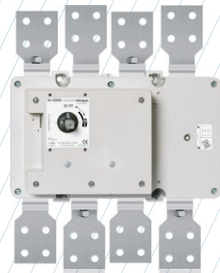
	H max (Cu) mm	L max (Cu) mm	T M	M Nxmm
2000 A 2500 A	2x10	80	M16	80
3150 A	2x10	80	M14	55

S5N AC Switch - disconnecter base mounting 3P - 3P+N

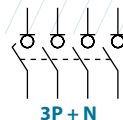
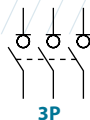
series
S5N

Size 5

A 2000|2500|3150



	CODE-2000A	CODE-2500A	CODE-3150A
3P	S5N20003PP0	S5N25003PP0	S5N31503PP0
3P + N	S5N20003NP0	S5N25003NP0	S5N31503NP0



Technical information



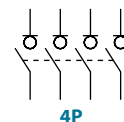
According to IEC 60947-3

				2000	2500	3150
Rated thermal current in ambient at	Ith	40 °C	A	2000	2500	3150
		50 °C	A	2000	2500	2835
		60 °C	A	2000	2500	2520
Rated insulation voltage	Ui	V	1000	1000	1000	
Rated impulse withstand voltage	Uimp	kV	12	12	12	
AC rated operational current ^{*(1)}	Ie	Ue 400V AC21B	A	2000	2500	3150
		Ue 400V AC22B	A	2000	2500	2500

^{*(1)} Other voltages and / or utilization categories. Please consult

^{*(2)} Without limiting protective device (short-circuit maintained 50... 100 ms.)

				2000	2500	3150
Rated breaking capacity		400V AC21	A	-	-	4725
		400V AC22	A	6000	7500	-
Rated making capacity		400V AC21	A	-	-	4725
		400V AC22	A	6000	7500	-
Short - circuit behaviour						
Rated short-circuit making capacity ^{*(2)}	Icm	kA (peak)		60	60	60
Rated short-time withstand current (1sec.)	Icw	kA rms		50	50	50
Mechanical features						
Number of mechanical operations (according to the standards, for other values please consult)			Cycles	600	600	600
Maximum weight 3P (without bridging links)			Kg	42,9	42,9	42,9
Maximum weight 3P+N (without bridging links)			Kg	47,3	47,3	47,3



Also available 4P switch - disconnecter under request, please consult



Accessories



» Direct handle

CODE DS-LI41



» External handle included shaft ^{*(e1)}

IP65

CODE DS-LA41



» External handle without shaft

IP65

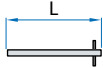
CODE DS-LA43



» Emergency external handle included shaft ^{*(e1)}

IP65

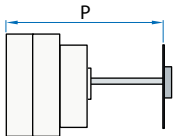
CODE DS-LR41



» Shafts

Standard shaft included ^{*(e1)}

L (mm)	P (mm)
239	458 ... 618



» Auxiliary contacts

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

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

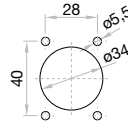
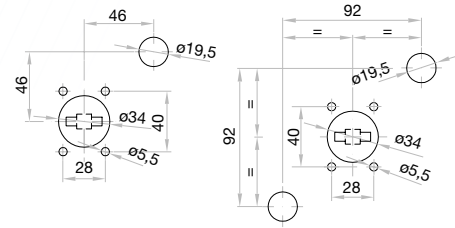


» Safety key lock device

Simple CODE DS-CB41
Double CODE DS-CF41

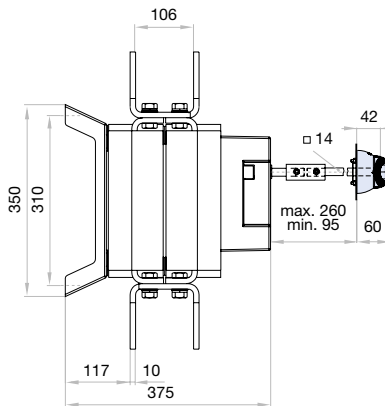
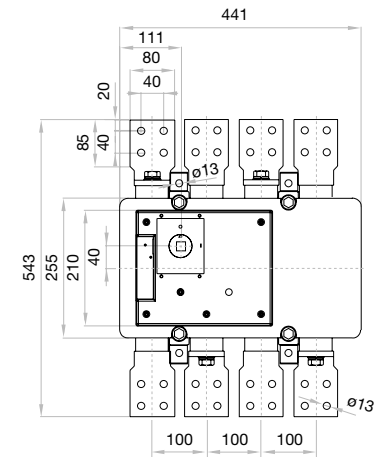
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Door drilling for handle and key lock device
Simple Double

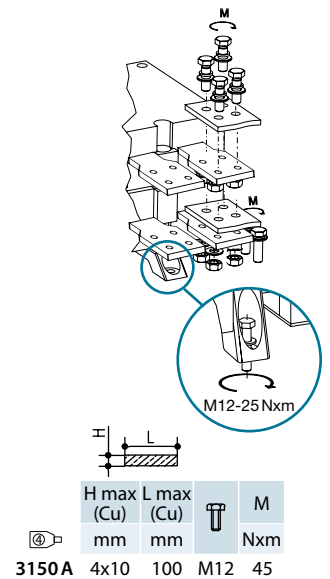
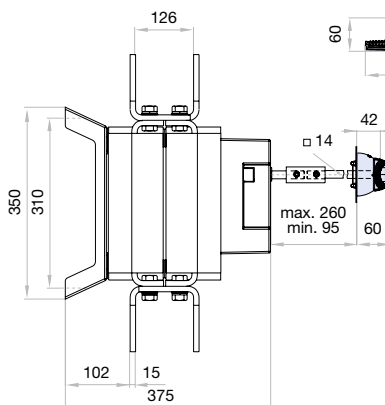
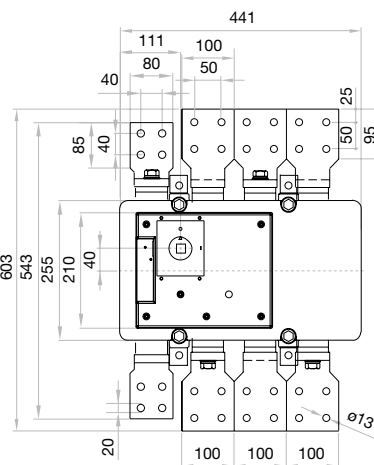


Dimensions (mm)

Door drilling for external handle



	H max (Cu) mm	L max (Cu) mm	M	M
2000 A	4x10	80	M12	45
2500 A				



	H max (Cu) mm	L max (Cu) mm	M	M
3150 A	4x10	100	M12	45