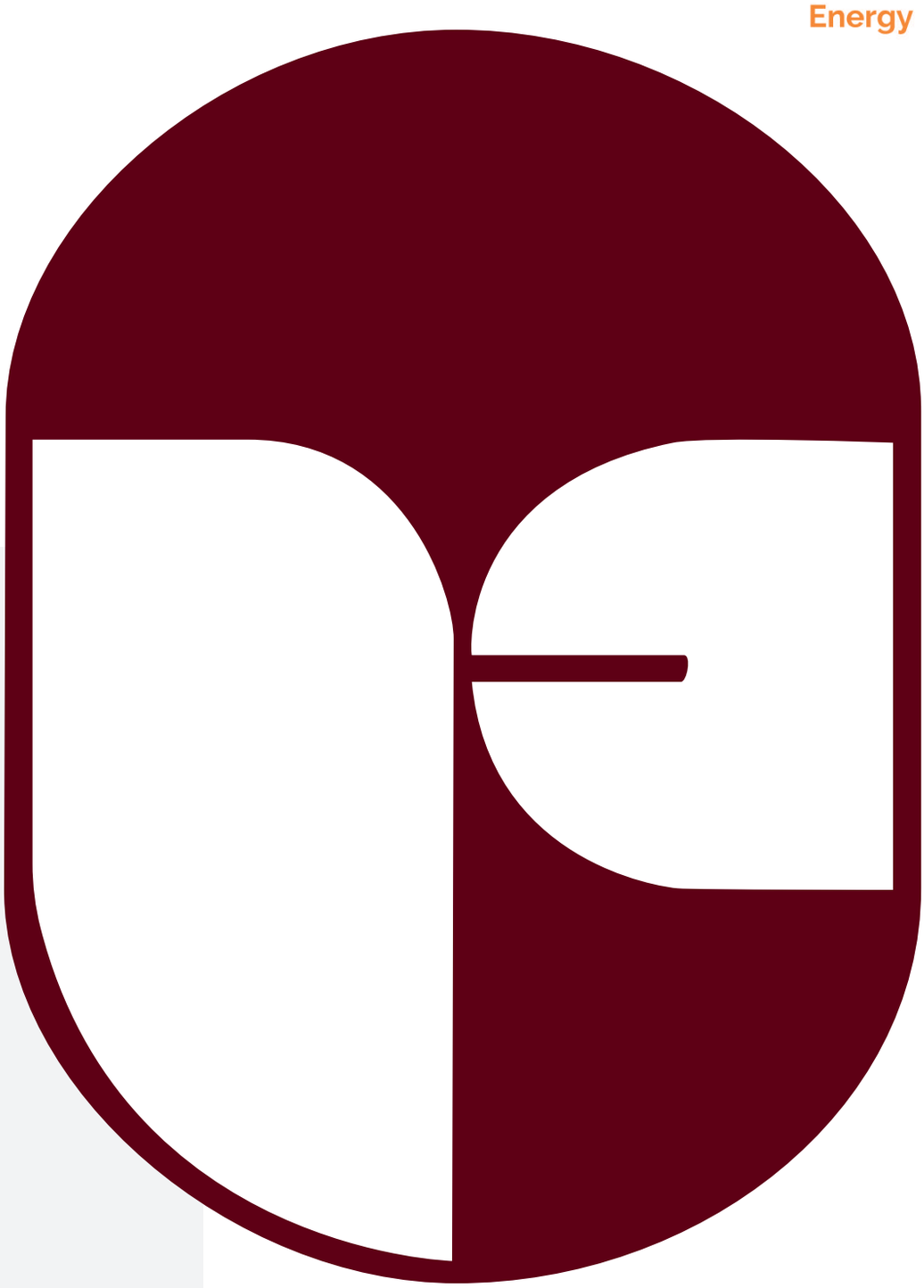
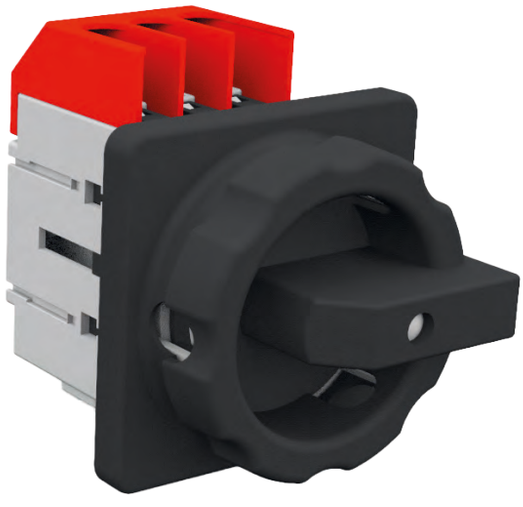
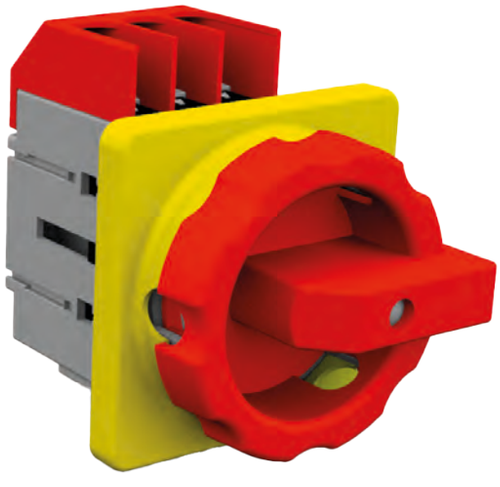
vector
Energy



DOOR MOUNTING SWITCHES

ST 16A - 250A





GENERALITIES
The modular switch disconnectors of ST series, allow the breaking and the disconnecting on load of equipment on low voltage at nominal current from 16 to 250 A.

USE
The switch disconnectors of ST series are commonly used for the following purposes:
- Control switches
- Emergency Switches
- Main Switches, following EN 60204-1 rules
- Disconnector

GENERAL CHARACTERISTICS
High breaking capacity (AC 22 A - AC 23 A)
Double break contacts on each pole, silver plated contacts, captive screws
High electrical and mechanical endurance
Resistant to damp heat
IP50 degree of protection (IP65 under request)
Extremely compact construction,
Modular execution, basic mounting with 4 screws, or with a 22mm diameter hole(IP65 version only)
Contact covers included in each package

RANGE
ST1 16 - 25 - 32 - 40 - 63 A
ST2 80 A
ST3 100 - 125 A
ST4 180 - 250 A

ADDITIONAL POLES
Fourth neutral pole makes erlier and opens later than the phase contacts. Fourth pole solid neutral.
Earth pole. Contemporary pole under request.
A 4th Pole (or a solid neutral), or Auxiliary contacts can be installed on each side of the switch disconnector.
The auxiliary contacts are advanced in opening with respect to the power contacts, while the closing can be delayed or simultaneous.

OPERATING MECHANISM
Door interlock, black or emergency handle padlockable, with up to three padlocks in 0 position.

STANDARD SERVICE, MOUNTING AND TRANSPORT CONDITIONS
Transport and storage ambient temperature - 25°C + 55°C
working ambient temperature - 20°C + 40°C
For other operating conditions please contact the manufacturer.

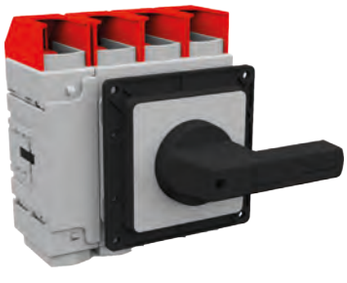
CONFORMITY TO STANDARDS
IEC 60947-1|IEC 60947-3|UNI EN 60947-1|UNI EN 60947-3|UL 508A

CERTIFICATES AND APPROVALS
UL | IEC | CSA | EAC







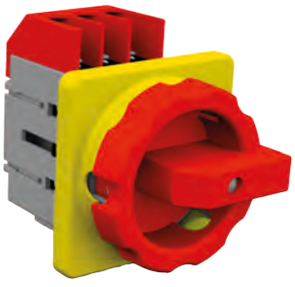


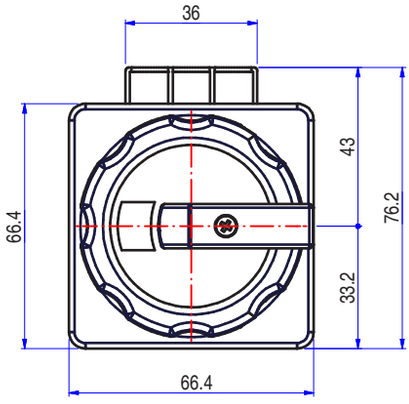
	Rated current	black handle		emergency handle		black handle		emergency handle	
	A	POLI _POLES	CODICE / CODE	POLI _POLES	CODICE / CODE	POLI _POLES	CODICE / CODE	POLI _POLES	CODICE / CODE
ST1	16	3	19300R	3	19310R	4	19330R	4	19350R
	25	3	19301R	3	19311R	4	19331R	4	19351R
	32	3	19302R	3	19312R	4	19332R	4	19352R
	40	3	19303R	3	19313R	4	19333R	4	19353R
	63	3	19304R	3	19314R	4	19334R	4	19354R
ST2	80	3	19206R	3	19216R	4	19236R	4	19256R
ST3	100	3	19207R	3	19217R	4	19237R	4	19257R
	125	3	19701R	3	19711R	4	19731R	4	19751R
ST4	180	3	19704R	3	19714R	4	19734R	4	19754R
	250	3	19705R	3	19715R	4	19735R	4	19755R

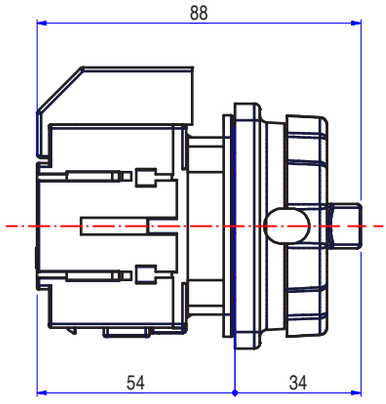
				ST1					ST2	ST3		ST4	
Corrente Nominale _rated operating current	Ie		A	16	25	32	40	63	80	100	125	180	250
Tensione di Esercizio _rated operating voltage	Ue		V	690	690	690	690	690	690	690	690	690	690
Tensione Nominale di isolamento _rated insulation voltage	Ui		V	690	690	690	690	690	690	690	690	690	690
Tensione Nominale Tenuta di Impulso _rated surge withstand capacity	Uimp		kV	6	6	6	6	6	6	6	6	8	8
Corrente nominale Termica a 40°C _conventional free air thermal current at 40°C	Ith		A	16	25	32	40	63	80	100	125	180	250
Corrente Nominale di Impiego _utilization category	AC-21A	415 V	A	–	–	–	–	–		–	125	–	250
		500 V	A	–	–	–	–	–		–	–	–	–
		690 V	A	16	25	32	40	63		–	125	–	250
	AC-22A	415 V	A	–	–	–	–	–		–	125	–	230
		500 V	A	–	–	–	–	–		–	–	–	–
		690 V	A	9	11	13	17	22		–	–	–	–
	AC-23A	415 V	A	16	19	22	29	41	43	70	84	–	224
		500 V	A	–	–	–	–	–	–	–	–	–	–
		690 V	A	9	11	13	17	21	22	34	41	–	–
Potere di Chiusura _rated operating power	AC23A	415 V	kW	7.5	9	11.5	15	22		37	45	90	132
		500 V	kW	–	–	–	–	–		–	–	–	–
		690 V	kW	7.5	9	11.5	15	18.5		30	37	45	55
Corrente di breve durata per 1 sec _Short-circuit withstand current 1 sec	Icw	400 V	kA	0.5	0.5	0.5	1	1	1.26	2	2	4	4
Corrente di cortocircuito condizionata da fusibile 690 V _rated conditional short-circuit current at 690 V	tipo di fusibili	gG	A	25	25	50	50	63	80	100	125	200	250
Potenza dissipata per polo _power loss per pole			W	0,4	0,9	1,5	2,4	3,6	5,5	7,5	12	36	36
Contatti Ausiliari _auxiliary contacts	Icc	rms	kA	5	5	5	5	5				–	–
Interrutore pilota _pilot switch	AC 15	415 V	A	10	10	10	10	10	10	10	10	10	10
Sezione Cavo _cable size	flessibile _flexible		mm^2	2,5-16	2,5-16	2,5-16	2,5-16	2,5-16	2,5-35	4,0-50	4,0-50	16-185	16-185
Peso netto _Net weight	3P	Kg		0,195	0,195	0,195	0,195	0,195	0,36	0,425	0,425	1,88	1,88
	4P			0,23	0,23	0,23	0,23	0,23	0,425	0,52	0,52	2,335	2,335

ST1 3x16 ÷ 63A | ST1 3x16 ÷ 63A EM

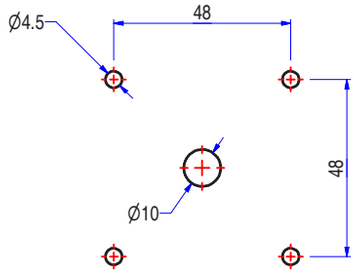






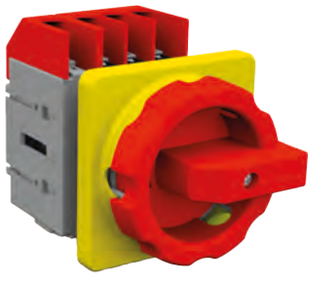


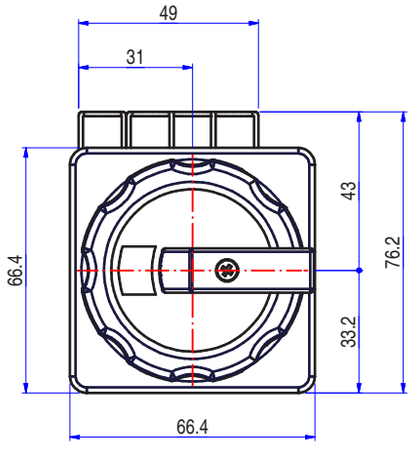
Door drilling

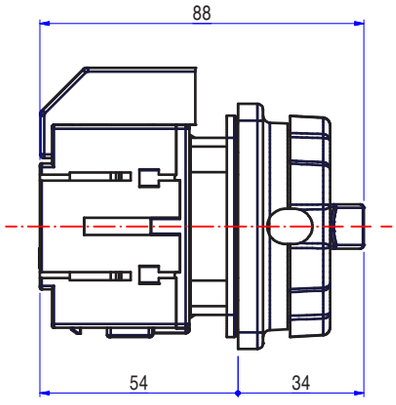


ST1 4x16 ÷ 63A | ST1 4x16 ÷ 63A EM

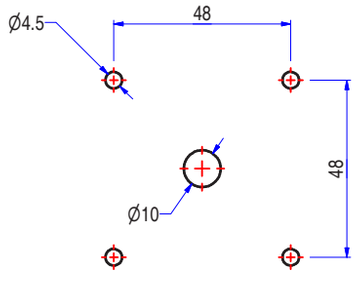






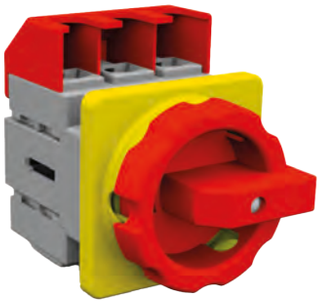


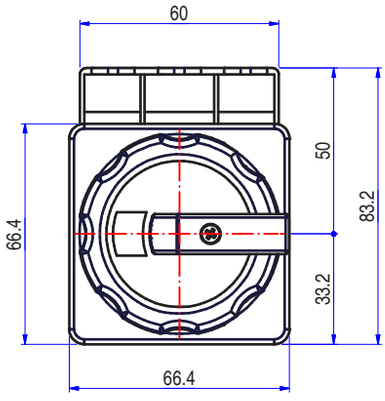
Door drilling

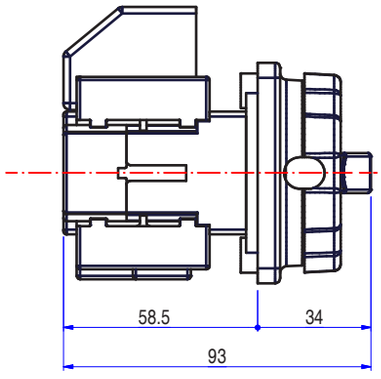


ST2 3x80A | ST2 3x80A EM

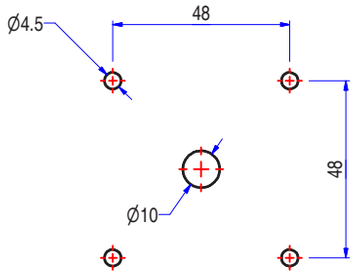




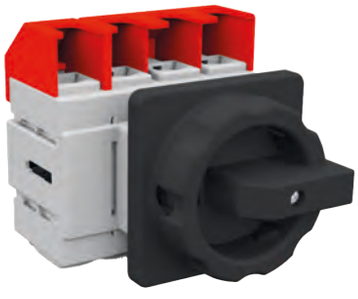


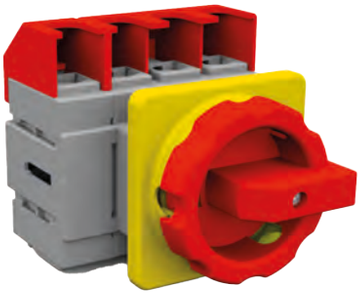


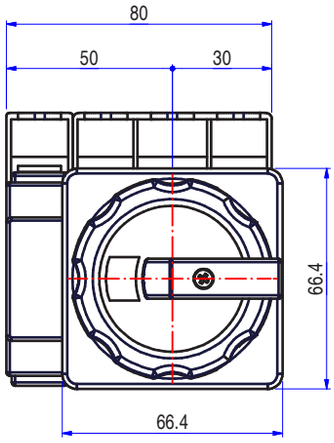
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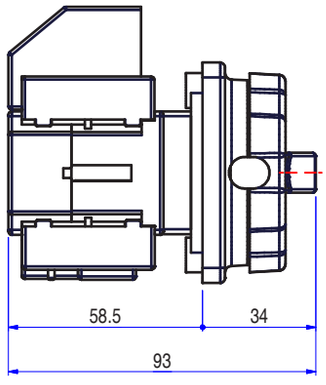


ST2 4x80A | ST2 4x80A EM

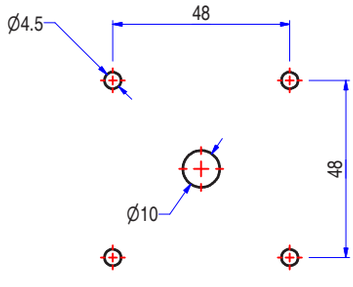






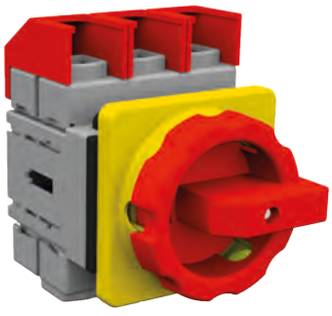


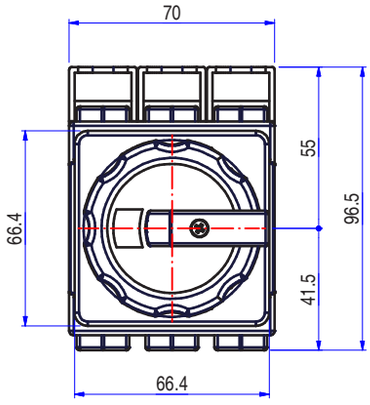
Door drilling

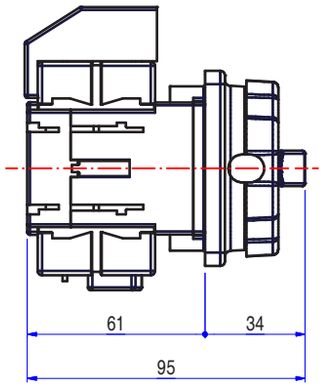


ST3 3x100 ÷ 125A | ST3 3x100 ÷ 125A EM

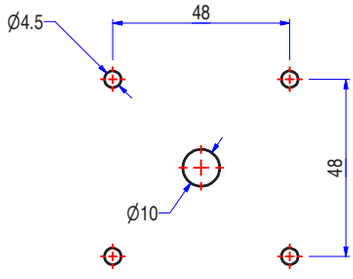




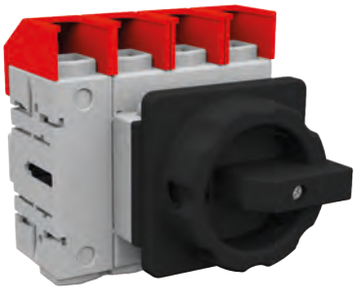


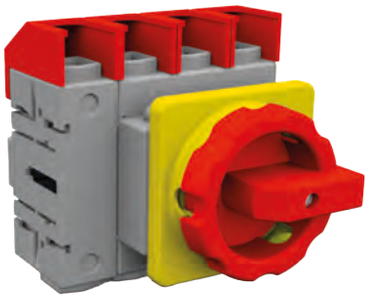


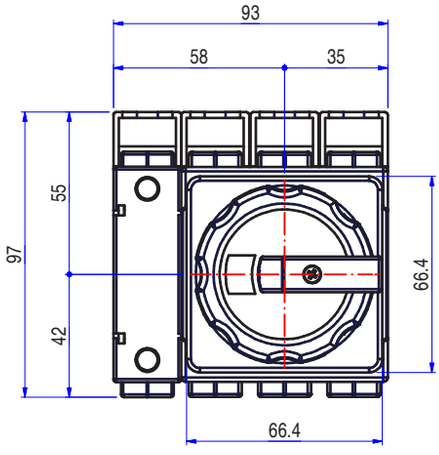
Door drilling

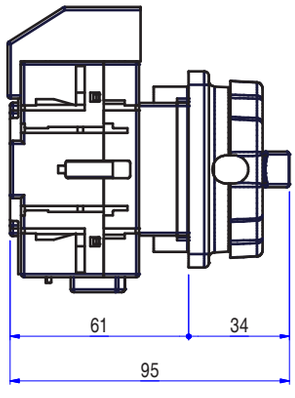


ST3 4x100 ÷ 125A | ST3 4x100 ÷ 125A EM

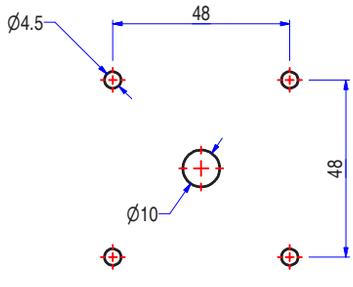




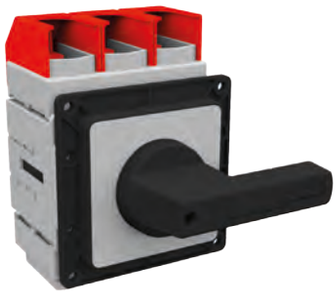


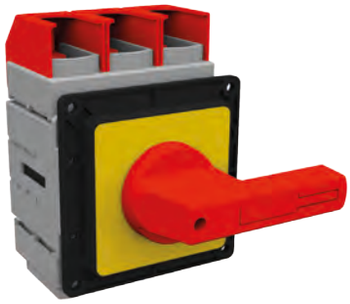


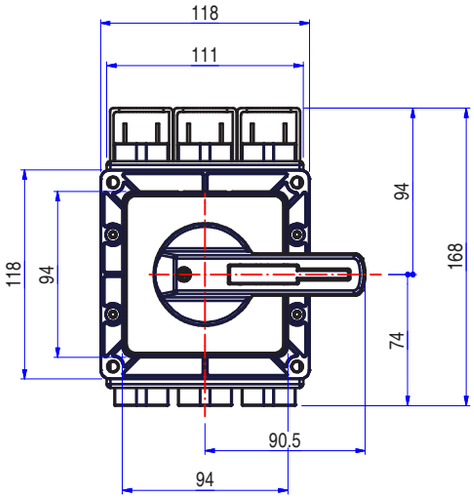
Door drilling

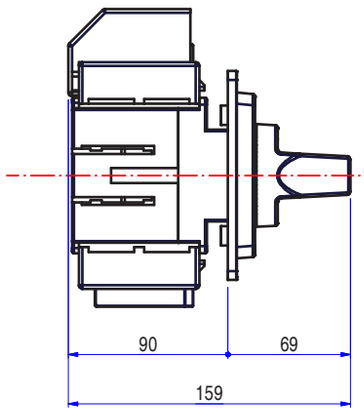


ST4 3x180 ÷ 250A | ST4 3x180 ÷ 250A EM

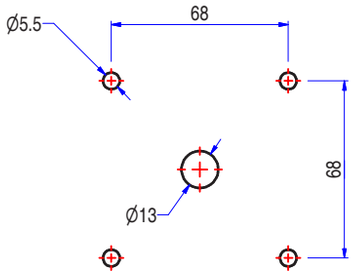




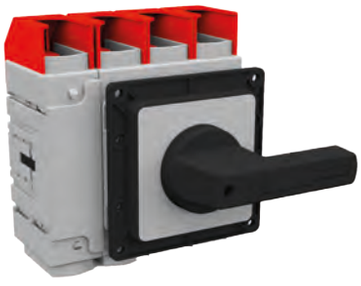


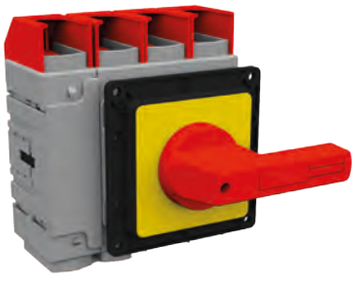


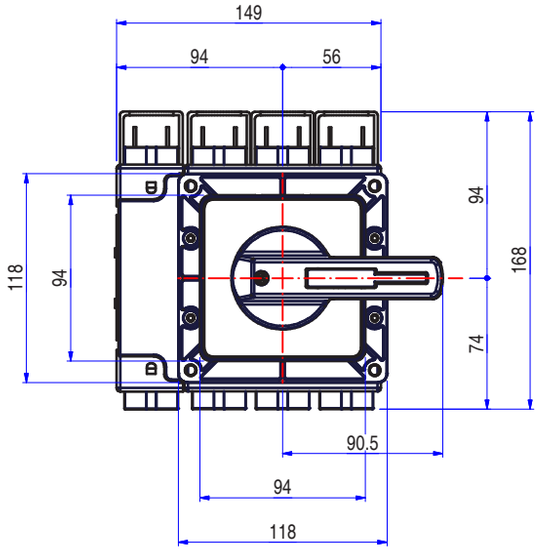
Door drilling

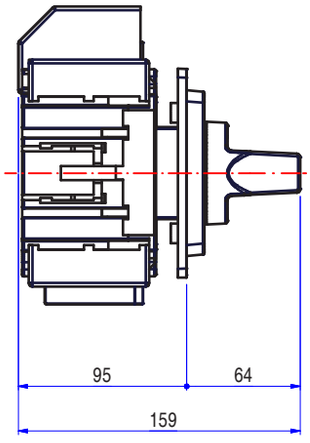


ST4 4x180 ÷ 250A | ST4 4x180 ÷ 250A EM

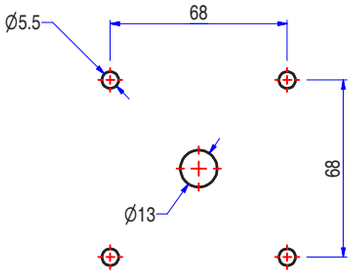








Door drilling



ACCESSORIES



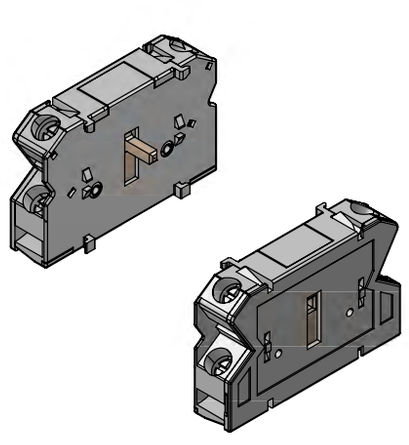






Type	A	4th pole (make early, open late)	Contemporary 4th Pole	Solid neutral	Aux Contacts (1NO+1NC)
ST1	16	19320R-NA16	19320R-NC16	19320R-SN16	19429R
	25	19320R-NA25	19320R-NC25	19320R-SN25	19429R
	32	19320R-NA32	19320R-NC32	19320R-SN32	19429R
	40	19320R-NA40	19320R-NC40	19320R-SN40	19429R
	63	19320R-NA63	19320R-NC63	19320R-SN63	19429R
ST2	80	19418R-NA80	19418R-NC80	19418R-SN80	19429R
ST3	100	19450R-NA125	19450R-NC125	19450R-SN125	19429R
					19429R
	125				19429R
					19429R
ST4	180	19450R-NA250	19450R-NC250	19450R-SN250	19429R
	250				19429R

AUX.CONTACTS 1NA+1NC



Code: 19429R

Rated isulation voltage	v	500
Thermal Uninterrupted Current	A	10
120v	A	6
220- 240v	A	3
380-415v	A	1,8
500v	A	1,4
125v	A	1,1
250v	A	0,3
solid wire	mm^2	2 x0,75-4
flexible with. wire end ferrules	mm^2	2 x0,75-4
Tightening torque clamps	Nm	0,8 - 1,1