



SETRON, Switch disconnecter 3LD, emergency switching-off switch, 3- pole, Iu: 100 A, operating power / at AC-23 A 400 V: 37 kW, front-mounted, 1 NC, 1 NO, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

Model	
product brand name	SETRON
product designation	Switch disconnecter
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
design of the actuating element	Short rotary knob
color of the actuating element	red
design of handle	rotary operating mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnecter	4
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	6 kV
operating voltage	
• at AC rated value	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP on the front	IP65
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	7.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	100 A
• at AC-21 A at 240 V rated value	100 A
• at AC-21 A at 400 V rated value	100 A
• at AC-21 A at 440 V rated value	100 A

<ul style="list-style-type: none"> • at AC-23 A at 400 V rated value 	70 A
operating power	
<ul style="list-style-type: none"> • at AC-23 A at 240 V rated value 	18.5 kW
<ul style="list-style-type: none"> • at AC-23 A at 400 V rated value 	37 kW
<ul style="list-style-type: none"> • at AC-23 A at 440 V rated value 	37 kW
<ul style="list-style-type: none"> • at AC-23 A at 690 V rated value 	30 kW
<ul style="list-style-type: none"> • at AC-3 at 240 V rated value 	18.5 kW
<ul style="list-style-type: none"> • at AC-3 at 400 V rated value 	30 kW
<ul style="list-style-type: none"> • at AC-3 at 690 V rated value 	22 kW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use main switch	Yes
suitability for use switch disconnecter	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
Product details	
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
<ul style="list-style-type: none"> • motor drive 	No
<ul style="list-style-type: none"> • voltage trigger 	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	2
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	4 ... 8 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
<ul style="list-style-type: none"> • at 690 V by gG fuse rated value 	50 kA
let-through current with closed switch	
<ul style="list-style-type: none"> • at 240 V for combination switch + gG fuse maximum 	10 kA
<ul style="list-style-type: none"> • at 440 V for combination switch + gG fuse maximum 	10 kA
<ul style="list-style-type: none"> • at 690 V for combination switch + gG fuse maximum permissible 	10 kA
I²t value with closed switch	
<ul style="list-style-type: none"> • at 240 V for combination switch + gG fuse maximum 	64 kA ² .s
<ul style="list-style-type: none"> • at 440 V for combination switch + gG fuse maximum 	64 kA ² .s
<ul style="list-style-type: none"> • at 690 V for combination switch + gG fuse maximum 	64 kA ² .s
design of the fuse link	
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit required 	fuse gL/gG: 100 A
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A
operational current of upstream fuse rated value	100 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	100 A
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	600 V
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	60
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	75
short-time withstand current (SCCR) at 600 V according to	10 kA

UL 508/UL 60947-4-1				
continuous current of upstream fuse according to UL rated value	200 A			
type of fuse according to UL	RK5			
Connections				
AWG number as coded connectable conductor cross section solid maximum				
<ul style="list-style-type: none">•	1			
<ul style="list-style-type: none">•	12			
type of connectable conductor cross-sections for copper conductor				
<ul style="list-style-type: none">• solid	1x (4...50mm²)			
<ul style="list-style-type: none">• finely stranded with core end processing	1x (4...35mm²)			
<ul style="list-style-type: none">• stranded	1x (4...50mm²)			
type of connectable conductor cross-sections for auxiliary contacts				
<ul style="list-style-type: none">• solid	lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 ... 2,5mm²)			
<ul style="list-style-type: none">• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 ... 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²			
<ul style="list-style-type: none">• stranded	lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 ... 2,5mm²)			
type of electrical connection				
<ul style="list-style-type: none">• for main current circuit	box terminal			
<ul style="list-style-type: none">• for auxiliary contacts	connection terminals			
Mechanical Design				
height	107 mm			
width	90 mm			
depth	112.5 mm			
type of device	fixed mounting			
fastening method	Built-in unit fixed-mounted version			
fastening method				
<ul style="list-style-type: none">• 4-hole front mounting	Yes			
<ul style="list-style-type: none">• front mounting with central attachment	No			
<ul style="list-style-type: none">• rail mounting	No			
net weight	517 g			
Environmental conditions				
ambient temperature during operation				
<ul style="list-style-type: none">• minimum	-25 °C			
<ul style="list-style-type: none">• maximum	55 °C			
ambient temperature during storage				
<ul style="list-style-type: none">• minimum	-25 °C			
<ul style="list-style-type: none">• maximum	55 °C			
Approvals Certificates				
<table><tr><td>General Product Approval</td><td>Test Certificates</td><td>other</td></tr></table>		General Product Approval	Test Certificates	other
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[Confirmation](#)

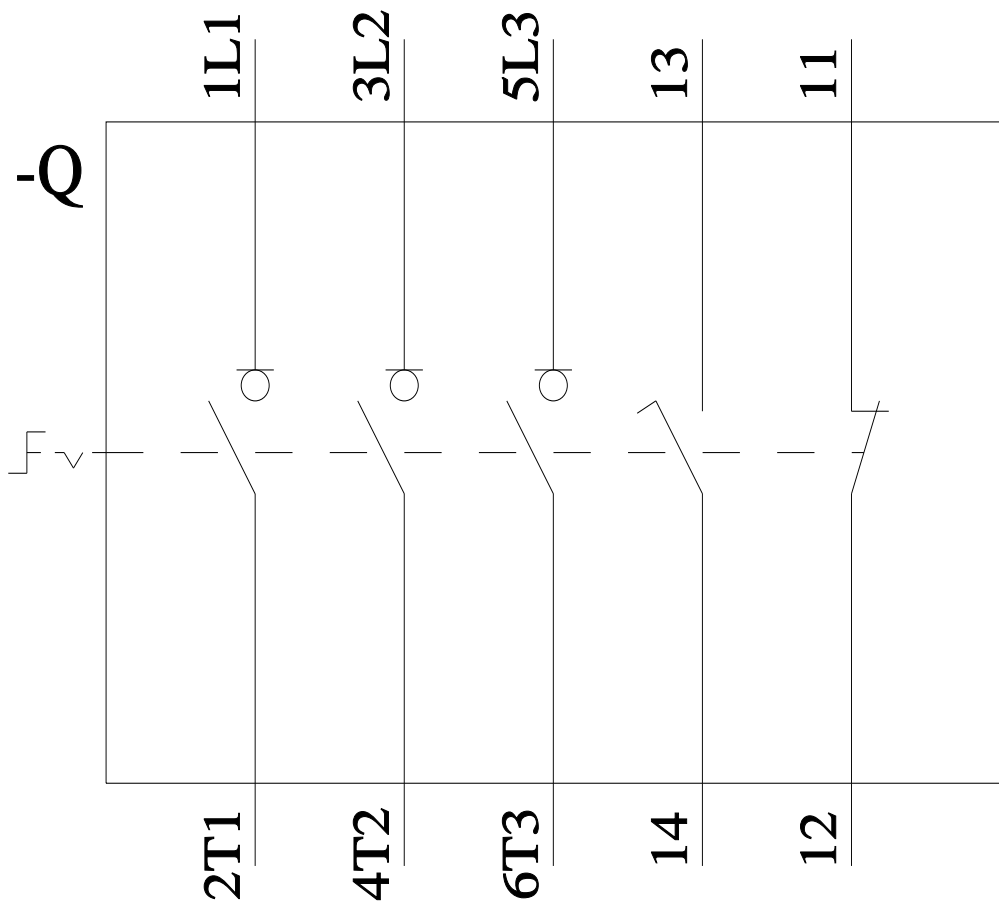
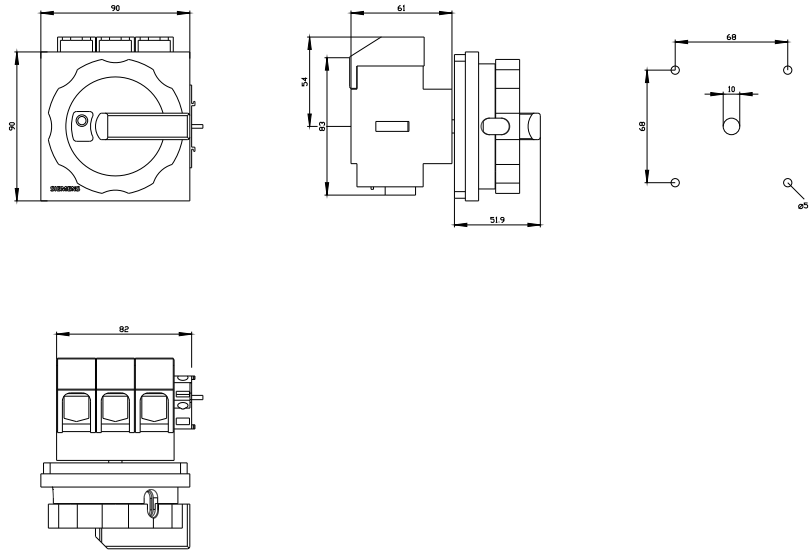


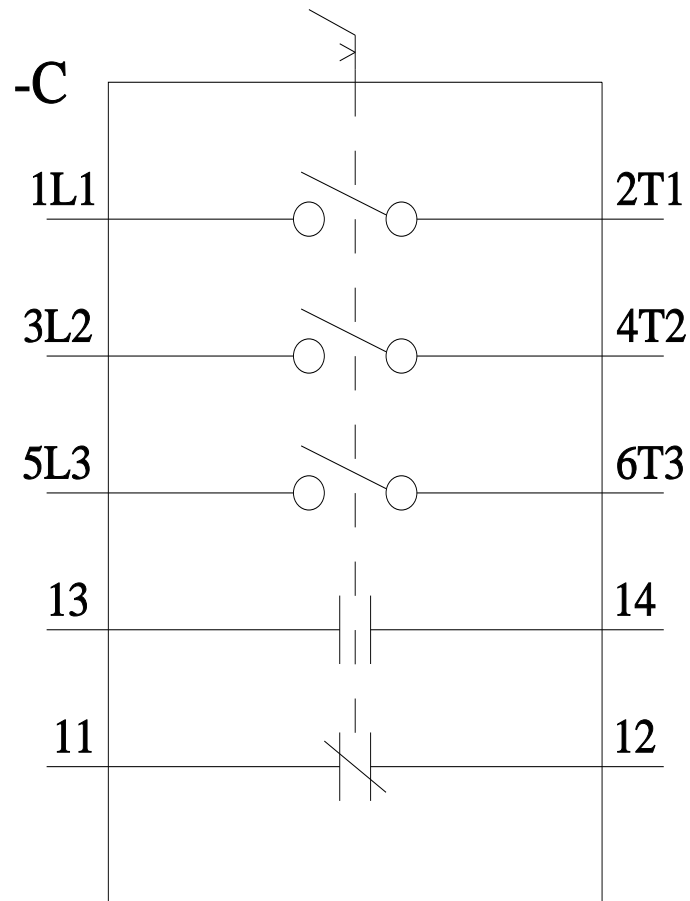
[Miscellaneous](#)

[Confirmation](#)

other	Environment
Miscellaneous	Environmental Confirmations

Further information
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs





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