



SETRON, Switch disconnecter 3LD, emergency switching-off switch, 4- pole, Iu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, floor mounting with door coupling, rotary operating mechanism, Red / yellow, central mounting 22.5 mm 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	Floor mounting with door coupling
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	4
size of switch disconnecter	2
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles) <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• at AC rated value	690 V
operating frequency rated value <ul style="list-style-type: none">• minimum• maximum	50 Hz 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	1.8 W
Main circuit	
operational current <ul style="list-style-type: none">• at AC-21 at 690 V rated value• at AC-21 A at 240 V rated value• at AC-21 A at 400 V rated value• at AC-21 A at 440 V rated value	32 A 32 A 32 A 32 A

<ul style="list-style-type: none"> • at AC-23 A at 400 V rated value 	22 A
operating power	
<ul style="list-style-type: none"> • at AC-23 A at 240 V rated value 	6 kW
<ul style="list-style-type: none"> • at AC-23 A at 400 V rated value 	12 kW
<ul style="list-style-type: none"> • at AC-23 A at 440 V rated value 	11.5 kW
<ul style="list-style-type: none"> • at AC-23 A at 690 V rated value 	12 kW
<ul style="list-style-type: none"> • at AC-3 at 240 V rated value 	5.5 kW
<ul style="list-style-type: none"> • at AC-3 at 400 V rated value 	10 kW
<ul style="list-style-type: none"> • at AC-3 at 690 V rated value 	9.5 kW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
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	
<ul style="list-style-type: none"> • main switch 	Yes
<ul style="list-style-type: none"> • switch disconnector 	Yes
<ul style="list-style-type: none"> • EMERGENCY OFF switch 	Yes
<ul style="list-style-type: none"> • safety switch 	Yes
<ul style="list-style-type: none"> • 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	3
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 	4.5 kA
<ul style="list-style-type: none"> • at 440 V for combination switch + gG fuse maximum 	4.5 kA
<ul style="list-style-type: none"> • at 690 V for combination switch + gG fuse maximum permissible 	5 kA
I_{2t} value with closed switch	
<ul style="list-style-type: none"> • at 240 V for combination switch + gG fuse maximum 	9 kA ² .s
<ul style="list-style-type: none"> • at 440 V for combination switch + gG fuse maximum 	9 kA ² .s
<ul style="list-style-type: none"> • at 690 V for combination switch + gG fuse maximum 	9 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: 40 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	40 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	32 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	20
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	20

short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	5 kA
continuous current of upstream fuse according to UL rated value	80 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"> • • 	8 14
type of connectable conductor cross-sections for copper conductor <ul style="list-style-type: none"> • solid • finely stranded with core end processing • stranded 	1x (1,5...16mm ²) 1x (1,5...10mm ²) 1x (1,5...16mm ²)
type of connectable conductor cross-sections for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded with core end processing • stranded 	lateral auxiliary switch 2x (0,75 ... 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 ... 2,5mm ²) lateral auxiliary switch 2x (0,75 ... 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ² lateral auxiliary switch 2x (0,75 ... 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 ... 2,5mm ²)
type of electrical connection <ul style="list-style-type: none"> • for main current circuit • for auxiliary contacts 	box terminal connection terminals

Mechanical Design

height	84 mm
width	67 mm
depth	451.5 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 • front mounting with central attachment • rail mounting 	No Yes Yes
net weight	455 g

Environmental conditions

ambient temperature during operation <ul style="list-style-type: none"> • minimum • maximum 	-25 °C 55 °C
ambient temperature during storage <ul style="list-style-type: none"> • minimum • maximum 	-25 °C 55 °C

Approvals Certificates

General Product Approval



[Confirmation](#)



General Product Approval

Marine / Shipping

other

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other

Environment

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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>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2244-1TL53>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2244-1TL53>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

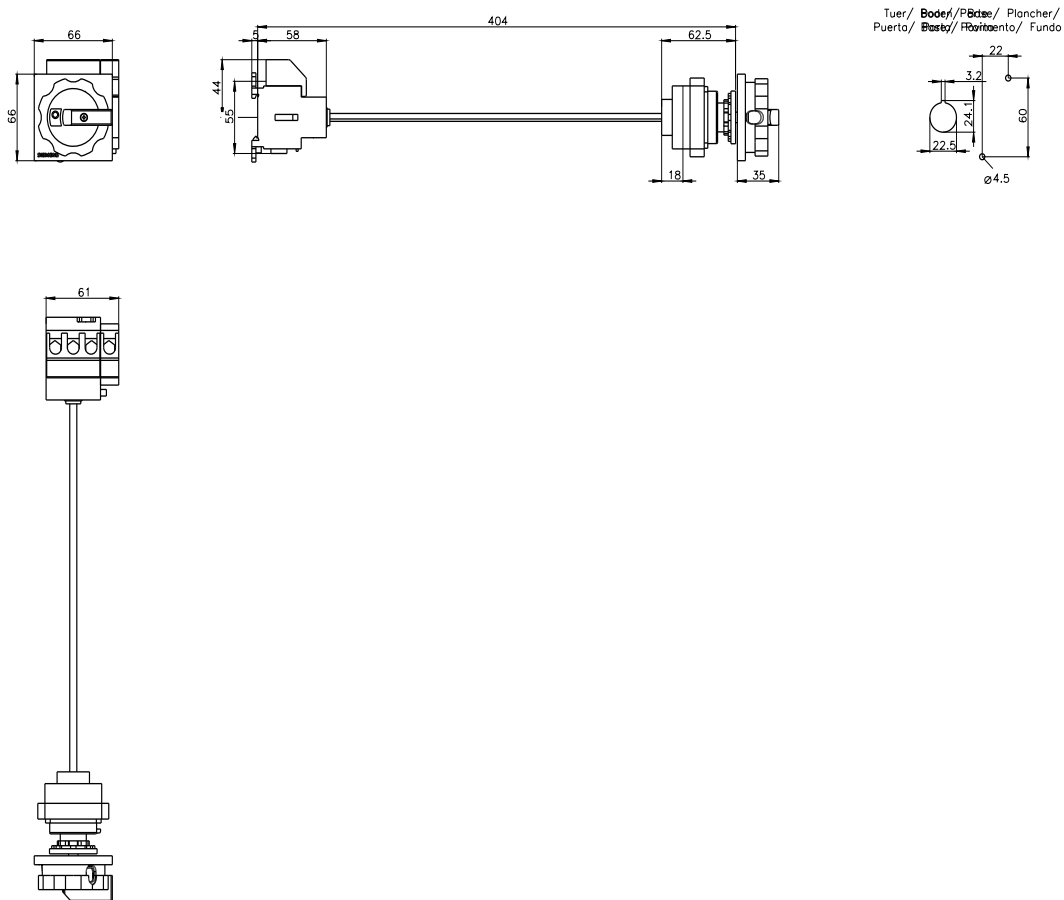
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2244-1TL53

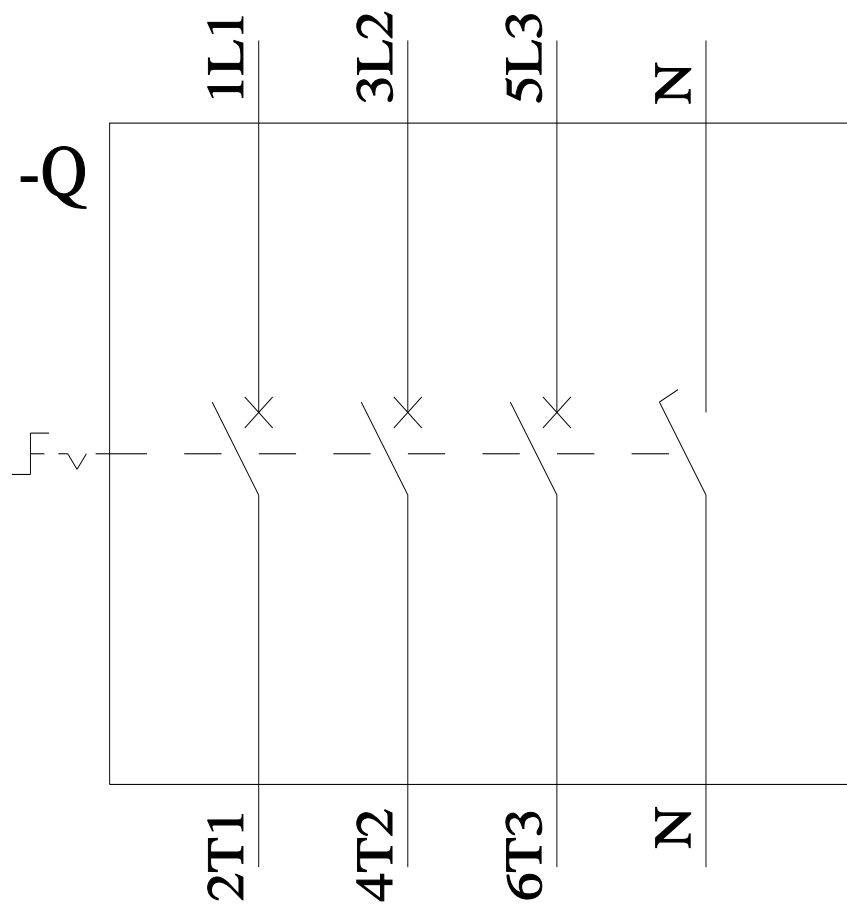
CAx-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





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