

SENTRON, 3LD switch disconnecter, EMERGENCY-STOP switch, 4-pole, Iu:63 A, Operational power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, rotary operating mechanism, red/yellow, center mounting 22.5 mm of handle



Model	
product brandname	SENTRON
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	4
Type of device	fixed mounting
Operating frequency / maximum	50 1/h
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Protection class	
Protection class IP / on the front	IP65
Dissipation	
Power loss [W]	4.5 W
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	
Electricity	

Continuous current / rated value	63 A
Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value	1 260 A

Main circuit

Operating frequency	
• initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
• at AC-23 A / at 400 V / rated value	22 kW
• at AC-23 A / at 690 V / rated value	18.5 kW
• at AC-3 / at 400 V / rated value	18.5 kW
• at AC-3 / at 690 V / rated value	15 kW
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

Auxiliary circuit

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
• switch disconnecter	Yes
• EMERGENCY OFF switch	Yes
• safety switch	Yes
• maintenance/repair switch	Yes

Product details

Product feature / interlock	Yes
Product extension / optional	
• motor drive	No
• Voltage trigger	No

Connections

Type of electrical connection	
• for auxiliary contacts	connection terminals

Requirements

Design of the fuse link	
• for short-circuit protection of the main circuit / required	fuse gL/gG: 63 A

- for short-circuit protection of the auxiliary switch / required
- fuse gL/gG: 10 A

Mechanical Design

Height	106 mm
Width	90 mm
Depth	468.5 mm
Mounting type	
<ul style="list-style-type: none"> • front mounting with 4-hole attachment 	No
<ul style="list-style-type: none"> • front mounting with central attachment 	Yes
<ul style="list-style-type: none"> • rail mounting 	Yes
Net weight	769 g

Environmental conditions

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

Certificates

Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	S
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	SF

General Product Approval

Declaration of Conformity



[sonstig](#)



Test Certificates	Shipping Approval	other
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[spezielle Prüfbescheinigungen](#)



[Umweltbestätigung](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3LD2545-1TL53>

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

<http://support.automation.siemens.com/WW/view/en/3LD2545-1TL53/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3LD2545-1TL53



