

SENTRON, 3LD switch disconnecter, EMERGENCY-STOP switch, 4-pole, Iu:160 A, Operational power / at AC-23 A at 400 V: 75 kW, front- mounted, knob-operated mechanism, red/yellow, 4-hole mounting of the handle



Model	
product brandname	SENTRON
Design of the operating mechanism	selector switch
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	8 kV
Protection class	
Protection class IP / on the front	IP65
Dissipation	
Power loss [W]	36 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	160 A
Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value	4 000 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	75 kW
• at AC-23 A / at 690 V / rated value	45 kW
• at AC-3 / at 400 V / rated value	50 kW
• at AC-3 / at 690 V / rated value	37 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	No
• 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
- for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 160 A

fuse gL/gG: 10 A

Mechanical Design





Height	169 mm
Width	112 mm
Depth	94 mm
Mounting type	
<ul style="list-style-type: none"> • front mounting with 4-hole attachment 	Yes
<ul style="list-style-type: none"> • front mounting with central attachment 	No
<ul style="list-style-type: none"> • rail mounting 	No
Net weight	2 603 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	Test Certificates
 CCC  CSA  UL	 EG-Konf.	Typprüfbescheinigung/Werkszeugnis spezielle Prüfbescheinigungen

other

[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/3LD2305-1TL13>

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

<http://support.automation.siemens.com/WW/view/en/3LD2305-1TL13/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2305-1TL13

