

MAIN/EMERG. STOP SWITCH 4-POLE IU=16, P/AC-23A AT 400V=7.5KW FRONT MOUNTING FOUR-HOLE MOUNTING KNOB-OPERATED MECHANISM RED/ YELLOW (EMERG. STOP)



Model		
product brand name		SENTRON
Design of the operating mechanism		knob-operated mechanism, red/yellow
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		4
Type of device		fixed mounting
Protection against electrical shock		finger-safe
Mechanical service life (switching cycles) / of the main contacts / typical		100 000
Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		S
Operating frequency / maximum	1/h	50
Voltage		
Insulation voltage		
• Rated value	V	690
Surge voltage resistance		
• Rated value	V	6 000
Protection class		

Protection class IP

IP65

## Electricity

### Continuous current

- Rated value

A 16

### Short-time current resistance (I<sub>cw</sub>) / at 690 V / limited to 1 s

- Rated value

A 340

### Net weight

g 175

## Main circuit

### Operating frequency

- initial value
- Full-scale value

Hz 50  
Hz 60

### Operating power

- at AC-23 A / at 400 V / Rated value
- at AC-23 A / at 690 V / Rated value
- at AC-3 / at 400 V / Rated value
- at AC-3 / at 690 V / Rated value

kW 7.5  
kW 7.5  
kW 5.5  
kW 5.5

### Operating voltage

- with AC / at 50/60 Hz / Rated value

V 690

### Operating current / at AC-21

- Rated value

A 16

## 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 the auxiliary contacts / with AC / maximum

V 500

### Continuous current / of the auxiliary contact / Rated value

A 10

### Insulation voltage / of the auxiliary switch / Rated value

V 500

## Suitability

### Suitability for use

- Main switch
- switch disconnecter
- EMERGENCY OFF switch
- safety switch
- maintenance/repair switch

Yes  
Yes  
Yes  
Yes  
Yes

## Appearance

## Product details

<b>Product feature</b>		
• interlock		Yes
<b>Product expansion</b>		
• optional		
— motor drive		No
— Voltage trigger		No

## Connections

<b>Connectable conductor cross-section</b>		
• for main contacts		
— single or multi-stranded / minimum	mm <sup>2</sup>	1
— single or multi-stranded / maximum	mm <sup>2</sup>	6
— finely stranded / with core end processing / maximum	mm <sup>2</sup>	4
— stranded / minimum	mm <sup>2</sup>	1
— stranded / maximum	mm <sup>2</sup>	6
• for auxiliary contacts		
— single or multi-stranded / minimum	mm <sup>2</sup>	0.75
— single or multi-stranded / maximum	mm <sup>2</sup>	4
— finely stranded / with core end processing / minimum	mm <sup>2</sup>	0.75
— finely stranded / with core end processing / maximum	mm <sup>2</sup>	2.5
— stranded / minimum	mm <sup>2</sup>	0.75
— stranded / maximum	mm <sup>2</sup>	4
Type of connectable conductor cross-section		
• for main contacts / finely stranded		
— with core end processing		4
• for auxiliary contacts		
— solid		50
— finely stranded / with core end processing		2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
<b>Design of the electrical connection</b>		
• for main current circuit		connection terminals
• for auxiliary contacts		connection terminals

## Requirements

<b>Design of the fuse link</b>		
• for short-circuit protection of the main circuit / required		fuse gL/gG: 20 A
• for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A

## Mechanical Design

<b>Height</b>	mm	66
<b>Width</b>	mm	49

<b>Depth</b>	mm	89.5
<b>Mounting type</b>		front mounting
<b>Mounting type</b>		
• front mounting		Yes
• front mounting with 4-hole attachment		Yes
• front mounting with central attachment		No
• Side-by-side mounting		Yes
• rail mounting		No

### Environmental conditions

<b>Ambient temperature / during operation</b>		
• minimum	°C	25
• maximum	°C	55

### Certificates

<b>Reference code</b>		
• acc. to DIN EN 61346-2		S

<b>General Product Approval</b>	<b>Test Certificates</b>
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[Special Test Certificate](#)

<b>Shipping Approval</b>	<b>other</b>
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GL

[other](#)

[Environmental Confirmations](#)

[Declaration of Conformity](#)

### 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/3LD20221TL13>

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

<http://support.automation.siemens.com/WW/view/en/3LD20221TL13/all>

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

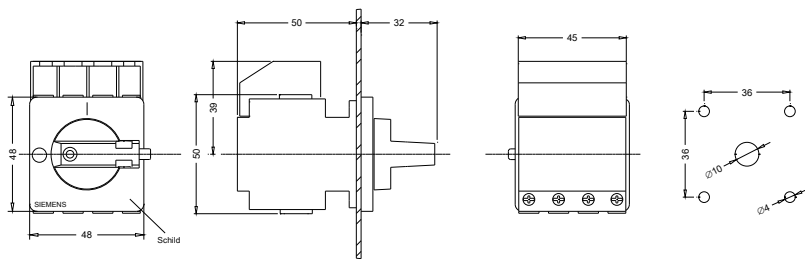
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD20221TL13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD20221TL13)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



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