

MAIN/EMERG. STOP SWITCH 3-POLE IU=63,
P/AC-23A AT 400V=22KW FRONT MOUNTING FOUR-
HOLE MOUNTING ROTARY ACTUATOR RED/YELLOW
(EMERG. STOP)

General technical details:

Product brand name		SENTRON
Product designation		main and EMERGENCY-OFF switches
Type from device		fixed mounting
Design of the operating mechanism		rotary actuator, red/yellow
Protection class IP		IP65
Number of poles		3
Acceptability for application		
• switch disconnecter		Yes
• main switch		Yes
• safety cut-out switch		Yes
• NETWORK OPERATING EMERGENCY OFF switch		Yes
• maintenance/repair switch		Yes
Product equipment / interlock		Yes
Type of the driving mechanism / motor drive		No
Product extension / optional		
• motor drive		No
• voltage trigger		No
Ambient temperature / during the operating phase	°C	-25 ... 55
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	V	6,000
Real loss power / per conductor / typical	W	4.5
Mechanical switching cycle as operating period / of the main contacts / typical		100,000
Protection against electrical shock		finger-safe
Item designation / according to DIN EN 61346-2		S
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		S

Main circuit:

Continuous current / rated value	A	63
Operating current / at AC-21 / rated value	A	63

Short-time current resistance (I_{cw}) / at 690 V / limited to 1 s / rated value	A	1,260
Operating frequency	Hz	50 ... 60
Operating voltage / at 50/60 Hz / for AC / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	kW	18.5
• at 690 V / rated value	kW	15
Service power / at AC-23a		
• at 400 V / rated value	kW	22
• at 690 V / rated value	kW	18.5
Operating cycles / maximum	1/h	50

Auxiliary circuit:

Number of NC contacts / for auxiliary contact		0
Number of NO contacts / for auxiliary contact		0
Number of change-over switches / for auxiliary contact		0
Continuous current / of the auxiliary contact / rated value	A	10
Operating voltage / of the auxiliary contacts / at AC / maximum	V	500
Insulation voltage / of the auxiliary switch / rated value	V	500

Short-circuit:

Design of the fuse link / for short-circuit protection of the main circuit / necessary		fuse gL/gG: 63 A
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A

Installation/mounting/dimensions:

Type of mounting		front mounting
• front mounting		Yes
• front mounting with central fixation		No
• front mounting with 4-hole fixation		Yes
• series installation		Yes
• Rail installation		No
Width	mm	90
Height	mm	106
Depth	mm	110.5

Connection type:

Design of the electrical connection / for main current circuit		connection terminals
Design of the electrical connection / for auxiliary contact		connection terminals
Type of the connectable conductor cross-section / for main contacts		
• unifilar		2.5 ... 35 mm ²

<ul style="list-style-type: none"> • stranded wire / with conductor end processing 	16 mm ²
<ul style="list-style-type: none"> • stranded wire 	2.5 ... 35 mm ²
Type of connectable conductor cross section / for auxiliary contacts	
<ul style="list-style-type: none"> • solid 	2x (0.75 ... 2.5 mm ²), 1x 4 mm ²
<ul style="list-style-type: none"> • finely stranded / with wire end processing 	2x (0.75 ... 1.5 mm ²), 1x 2.5 mm ²
<ul style="list-style-type: none"> • stranded 	2x (0.75 ... 2.5 mm ²), 1x 4 mm ²

Certificates/approvals:

Verification of suitability

CSA / UL / CCC / GL / LRS / DNV / PRS

Further information:

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

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

Global Industry Mall (Online ordering system)

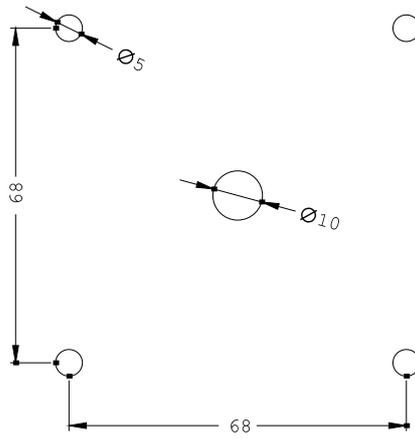
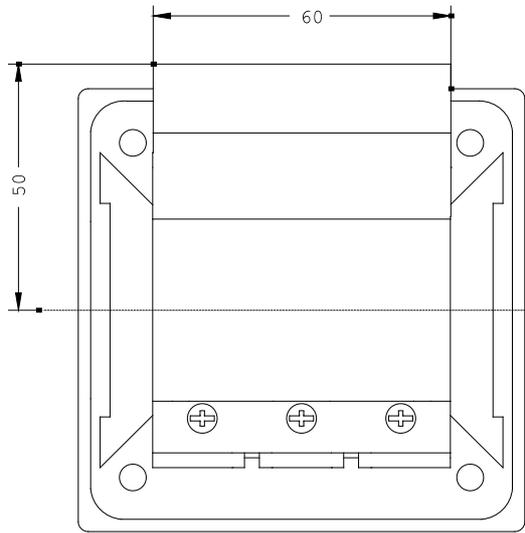
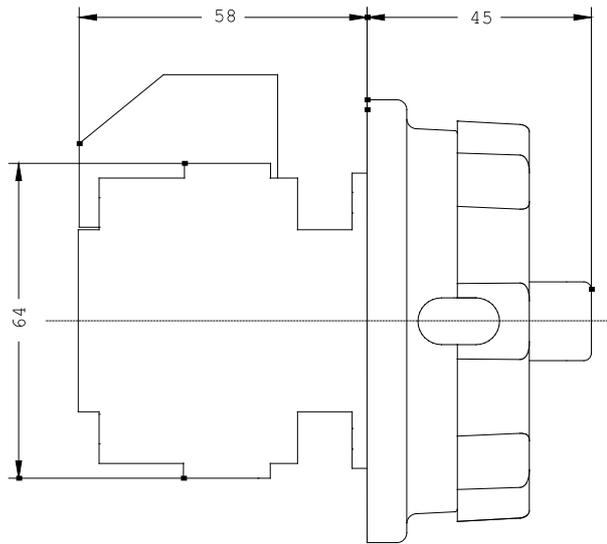
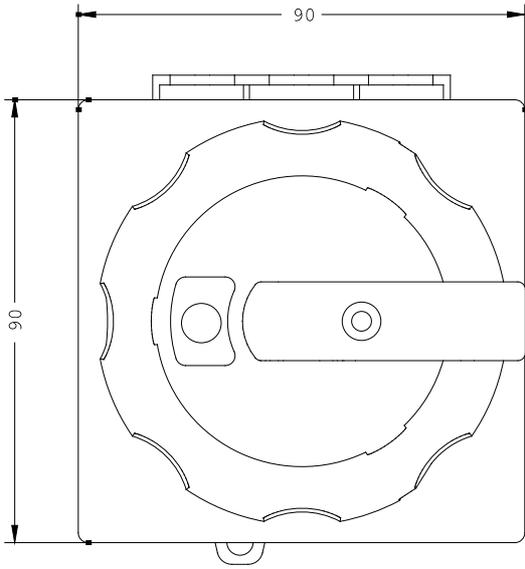
<http://www.siemens.com/lowvoltage/mall>

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

<http://support.automation.siemens.com/WW/view/en/3LD2504-0TK53/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2504-0TK53



last change:

Sep 6, 2010