SIEMENS

Product data sheet 3LD2103-0TK53



EMERG. STOP SWITCH 3-POLE IU=25, P/AC-23A AT 400V=9.5KW FRONT MOUNTING FOUR-HOLE MOUNTING ROTARY ACTUATOR RED/YELLOW (EMERG. STOP)

Similar to image

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 disconnector		Yes		
• main switch		Yes		
safety cut-out switch		Yes		
emergency stop 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 operating	°C	-25 +55		

Insulation voltage / rated value Impulse voltage resistance / rated value Active power loss / per conductor / typical Mechanical operating cycles as operating time / of the main contacts / typical Protection against electrical shock Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating requency Hz 50 60 Operating voltage / at 50/60 Hz / for AC / rated value **at 400 V / rated value	ve power loss / per conductor / typical hanical operating cycles as operating time / of the main acts / typical ection against electrical shock designation / according to DIN EN 61346-2 designation / according to DIN 40719 extendable after IEC 2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value ret-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	V 6,000 W 1.1 100,000 finger-safe S S A 25 A 25 A 640 Hz 50 60
Active power loss / per conductor / typical Mechanical operating cycles as operating time / of the main contacts / typical Protection against electrical shock Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 25 Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating requency Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value	hanical operating cycles as operating time / of the main acts / typical ection against electrical shock designation / according to DIN EN 61346-2 designation / according to DIN 40719 extendable after IEC 2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value ret-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	W 1.1 100,000 finger-safe S S A 25 A 640 Hz 50 60
Mechanical operating cycles as operating time / of the main contacts / typical Protection against electrical shock Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 25 Operating current / at AC-21 / rated value A 25 Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 - at 400 V / rated value - at 690 V / rated value	hanical operating cycles as operating time / of the main acts / typical ection against electrical shock designation / according to DIN EN 61346-2 designation / according to DIN 40719 extendable after IEC 2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value ret-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	100,000 finger-safe S S A 25 A 640 Hz 50 60
contacts / typical Protection against electrical shock Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 25 Operating current / at AC-21 / rated value A 25 Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating frequency Hz 50 60 Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 - at 400 V / rated value - at 690 V / rated value	ection against electrical shock designation / according to DIN EN 61346-2 designation / according to DIN 40719 extendable after IEC 2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value rt-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	finger-safe S S S Hz Finger-safe S Hz Finger-safe S Hz Finger-safe S Fin
Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value Operating current / at AC-21 / rated value A 25 Short-time current resistance (Icw) / at 690 V / Iimited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value	designation / according to DIN EN 61346-2 designation / according to DIN 40719 extendable after IEC 2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value rt-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	S S S S S S S S S S S S S S S S S S S
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 25 Operating current / at AC-21 / rated value A 25 Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating frequency Hz 50 60 Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value	designation / according to DIN 40719 extendable after IEC 2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value rt-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	A 25 A 25 A 640 Hz 50 60
Main circuit: Continuous current / rated value A 25 Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value 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 • at 690 V / rated value	2 / according to IEC 750 n circuit: tinuous current / rated value rating current / at AC-21 / rated value rt-time current resistance (Icw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value	A 25 A 25 A 640 Hz 50 60
Continuous current / rated value Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value • at 400 V / rated value • at 690 V / rated value	rating current / rated value rating current / at AC-21 / rated value rt-time current resistance (lcw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value rice power / at AC-3	A 25 A 640 Hz 50 60
Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 • at 400 V / rated value **Revice power / at AC-23 A** • at 400 V / rated value **Revice power / at AC-23 A** • at 400 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value **Revice power / at AC-23 A** • at 690 V / rated value	rating current / at AC-21 / rated value rt-time current resistance (lcw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value rice power / at AC-3	A 25 A 640 Hz 50 60
Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 • at 400 V / rated value **AC-23 A** • at 400 V / rated value **AC-23 A** • at 400 V / rated value **AC-23 A** • at 690 V / rated value **AC-24 A** **Operating cycles / maximum **India	rt-time current resistance (lcw) / at 690 V / limited to 1 s / d value rating frequency rating voltage / at 50/60 Hz / for AC / rated value rice power / at AC-3	A 640 Hz 50 60
Paragraphic Paragraphic	rating frequency rating voltage / at 50/60 Hz / for AC / rated value rice power / at AC-3	Hz 50 60
Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value Service power / at AC-23 A • at 400 V / rated value kW 9.5 • at 690 V / rated value kW 9.5 Operating cycles / maximum	rating voltage / at 50/60 Hz / for AC / rated value	
Service power / at AC-3 • at 400 V / rated value	ice power / at AC-3	V 690
 at 400 V / rated value at 690 V / rated value kW 7.5 Service power / at AC-23 A at 400 V / rated value at 690 V / rated value at 690 V / rated value by 9.5 Operating cycles / maximum 1/h 50 		
at 690 V / rated value Service power / at AC-23 A at 400 V / rated value at 690 V / rated value kW 9.5 at 690 V / rated value In the service power / at AC-23 A A with the service power /	at 400 V / rated value	
Service power / at AC-23 A • at 400 V / rated value kW 9.5 • at 690 V / rated value kW 9.5 Operating cycles / maximum 1/h 50		kW 7.5
 at 400 V / rated value at 690 V / rated value kW 9.5 Operating cycles / maximum 1/h 50 	at 690 V / rated value	kW 7.5
• at 690 V / rated value kW 9.5 Operating cycles / maximum 1/h 50	ice power / at AC-23 A	
Operating cycles / maximum 1/h 50	at 400 V / rated value	kW 9.5
	at 690 V / rated value	kW 9.5
Auxiliary circuit:	ating cycles / maximum	1/h 50
	iliary circuit:	
Number of NC contacts / for auxiliary contacts 0	ber of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts 0	ber of NO contacts / for auxiliary contacts	0
Number of changeover contacts / for auxiliary contacts 0	ber of changeover contacts / for auxiliary contacts	0
Continuous current / of the auxiliary contact / rated value A 10	inuous current / of the auxiliary contact / rated value	A 10
Operating voltage / of the auxiliary contacts / for AC / maximum V 500	rating voltage / of the auxiliary contacts / for AC / maximum	V 500
Insulation voltage / of the auxiliary switch / rated value V 500	lation voltage / of the auxiliary switch / rated value	V 500
Short-circuit:	rt-circuit:	
Design of the fuse link / for short-circuit protection of the main circuit / necessary fuse gL/gG: 25 A		fuse gL/gG: 25 A
Design of the fuse link / for short-circuit protection of the auxiliary switch / required fuse gL/gG: 10 A		fuse gL/gG: 10 A
Installation/mounting/dimensions:	allation/mounting/dimensions:	
Type of mounting front mounting	of mounting	front mounting
• front mounting Yes	ront mounting	Yes
• front mounting with central fixation No	ront mounting with central fivation	No

• front mounting with 4-hole fixation		Yes
• series installation		Yes
Rail installation		No
Width	mm	67
Height	mm	84
Depth	mm	92.5

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	
finely stranded / with conductor end processing	10 mm²
Type of connectable conductor cross section / for auxiliary contacts	
• solid	2x (0.75 to 2.5 mm2), 1x 4 mm2
finely stranded / with conductor end processing	2x (0.75 1.5 mm2), 1x 2.5 mm2
• stranded	2x (0.75 2.5 mm2), 1x 4 mm2

Certificates/approvals:		
Verification of suitability		CSA / UL / CCC / GL / LRS / DNV / PRS
Conductor cross section that can be connected / for main contacts / solid / minimum	mm²	1.5
Conductor cross section that can be connected / for main contacts / solid / maximum	mm²	16
Conductor cross section that can be connected / for main contacts / stranded / minimum	mm²	1.5
Conductor cross section that can be connected / for main contacts / stranded / maximum	mm²	16
Conductor cross section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum	mm²	10
Conductor cross-section that can be connected / for auxiliary contact / solid / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / solid / maximum	mm²	4
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / maximum	mm²	2.5
Conductor cross section that can be connected / for auxiliary contacts / stranded / min.	mm²	0.75
Conductor cross section that can be connected / for auxiliary contacts / stranded / max.	mm²	4

Certificates/approvals:

General Product Approval









other

Special Test Certificate

Test Certificates

Shipping Approval







Declaration of Conformity

Environmental Confirmations

Further information:

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

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

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/3LD2103-0TK53/all

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

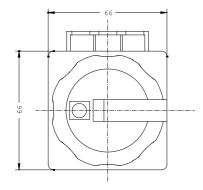
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2103-0TK53

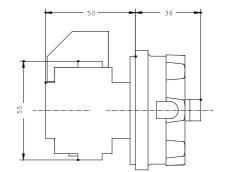
CAx-Online-Generator

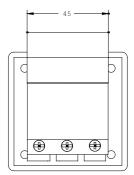
http://www.siemens.com/cax

Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT







48 - 010

Bohrbild Tuer

last change: Mar 18, 2013