SIEMENS

Product data sheet 3LD2017-0TK13



MAIN/EMERG. STOP SWITCH 3-POLE IU=16, P/AC-23A AT 400V=7.5KW - WITH DEFEATABLE DOOR COUPLING ROTARY MECHANISM - FLOOR MOUNTING DIN RAIL/TWO-HOLE MOUNTING ROTARY ACTUATOR RED/YELLOW (EMERG. STOP) FOUR-HOLE MOUNTING

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		knob-operated mechanism, 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

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 8 S Hem designation / according to DIN EN 61346-2 8 S Main circuit: Continuous current / rated value A 16 Operating current / at AC-21 / rated value A 16 Short-time current resistance (tow) / at 690 V / limited to 1 s / rated value Operating frequency Protection against electrical shock Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 16 Short-time current rated value A 16 Short-time current resistance (tow) / at 690 V / limited to 1 s / rated value Operating requency Protection of the 2 for AC / rated value A 340 Protection of the 2 for AC / rated value A 4 50 80 Operating requency A 4 50 W / rated value A 5 50 80 Service power / at AC-23 - at 400 V / rated value A 4 50 80 Service power / at AC-23 A - at 400 V / rated value A 5 5 80 Operating cycles / maximum Auxillary circuit: Number of NC contacts / for auxillary contacts Number of NC contacts / for auxillary contacts Onumber of change-over switches / or auxillary contacts Continuous current / of the auxillary contact / rated value A 10 Operating voltage / of the auxillary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / nocessary Design of the fuse link / for short-circuit protection of the main circuit / nocessary Design of the fuse link / for short-circuit protection of the main circuit / nocessary Floot mounting Floot mounting with central fixation No Protection mounting with central fixation	Insulation voltage / rated value	V	690
Mechanical operating cycles as operating time / of the main contacts / typical Protection against electrical shock Item designation / according to DIN 40719 extendable after IEC 204-2 / according to DIN 40719 extendable afte	Impulse voltage resistance / rated value	V	6,000
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	Active power loss / per conductor / typical	W	0.5
Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / 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 16 Operating current resistance (icw) / at 690 V / limited to 1 s / a 340 rated value Operating requency 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 • at 690 V / rated value **No 5.5 Service power / at AC-33 A • at 400 V / rated value **No 7.5 Operating cycles / maximum Auxillary circuit: Number of NC contacts / for auxillary contacts Number of NC contacts / for auxillary contacts Onumber of change-over switches / for auxillary contacts Continuous current / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the auxillary switch / required Installation/mounting/dimensions: Type of mounting • foor mounting • foor mounting			100,000
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 16 Operating current / at AC-21 / rated value A 16 Short-time current resistance (tcw) / 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 Operating cycles / maximum - th 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts - 0 Number of NO contacts / for auxiliary contacts - 0 Continuous current / of the auxiliary contact / rated value - 0 Operating voltage / of the auxiliary contact / rated value - 0 Operating voltage / of the auxiliary contact / rated value - 0 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting - front mounting - front mounting	Protection against electrical shock		finger-safe
Main circuit: Continuous current / rated value A 16 Operating current / at AC-21 / rated value A 16 Short-time current resistance (lcw) / at 690 V / limited to 1 s / at 340 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 **NW 5.5 Service power / at AC-3 • at 400 V / rated value • at 890 V / rated value • at 890 V / rated value **NW 7.5 Operating cycles / maximum 1/h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting **foot mounting	Item designation / according to DIN EN 61346-2		S
Continuous current / rated value Operating current / at AC-21 / rated value A 16 Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating frequency 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 Operating cycles / maximum 1 //h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Continuous current / of the auxiliary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / racessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/fmounting/dimensions: Type of mounting • front mounting			S
Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating frequency 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 • At 7.5 Operating cycles / maximum Auxillary circuit: Number of NC contacts / for auxiliary contacts O thumber of NO contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts / for AC / maximum Operating voltage / of the auxiliary contact / rated value Operating 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting	Main circuit:		
Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating frequency Operating requency 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 • by 7.5 Operating cycles / maximum In 50 Auxillary circuit: Number of NC contacts / for auxillary contacts Number of NO contacts / for auxillary contacts Continuous current / of the auxillary contacts / for AC / maximum Insulation voltage / of the auxillary switch / rated value Operating voltage / of the auxillary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxillary switch / required Installation/mounting/dimensions: Type of mounting • front mounting Insuration voltage / of mounting • front mounting	Continuous current / rated value	Α	16
Operating frequency Operating frequency 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 • kW 7.5 Operating cycles / maximum 1/h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting	Operating current / at AC-21 / rated value	Α	16
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 690 V / rated value • at 690 V / rated value • at 400 V / rated value • at 400 V / rated value • at 690 V / rated value • Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts 0 Number of NO contacts / for auxiliary contacts 0 Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting • floor mounting • floor mounting	· · ·	Α	340
Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value • at 690 V / rated value 8 kW 5.5 Service power / at AC-23 A • at 400 V / rated value 8 kW 7.5 Operating cycles / maximum 1/h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Installation/mounting/dimensions: Type of mounting • front mounting • front mounting	Operating frequency	Hz	50 60
* at 400 V / rated value	Operating voltage / at 50/60 Hz / for AC / rated value	V	690
* at 690 V / rated value	Service power / at AC-3		
Service power / at AC-23 A • at 400 V / rated value • at 690 V / rated value • at 690 V / rated value Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts 0 Number of NO contacts / for auxiliary contacts 0 Number of NO contacts / for auxiliary contacts 0 Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting floor mounting	• at 400 V / rated value	kW	5.5
* at 400 V / rated value * at 690 V / rated value * at 690 V / rated value * Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts **Number of NO contacts / for auxiliary contacts **Number of change-over switches / for auxiliary contacts **Outinuous current / of the auxiliary contact / rated value **Operating voltage / of the auxiliary contacts / for AC / maximum **Operating voltage / of the auxiliary switch / rated value **Short-circuit:** Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required **Installation/mounting/dimensions:** Type of mounting **front mounting **front mounting **Installation/mounting/dimensions:** **Tope of mounting **Installation/mounting/dimensions:** **Tope of mounting **Installation/mounting/dimensions:** **Tope of mounting	• at 690 V / rated value	kW	5.5
• at 690 V / rated value Operating cycles / maximum 1/h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Operating 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting Installation/mounting/dimensions:	Service power / at AC-23 A		
Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting	• at 400 V / rated value	kW	7.5
Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting	• at 690 V / rated value	kW	7.5
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Number of change-over switches / for auxiliary contacts O Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting floor mounting No	Operating cycles / maximum	1/h	50
Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting No	Auxiliary circuit:		
Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting floor mounting No	Number of NC contacts / for auxiliary contacts		0
Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for 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 Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting No	Number of NO contacts / for auxiliary contacts		0
Operating voltage / of the auxiliary contacts / for AC / maximum Insulation voltage / of the auxiliary switch / rated value Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting No	Number of change-over switches / for auxiliary contacts		0
Insulation voltage / of the auxiliary switch / rated value Short-circuit:	Continuous current / of the auxiliary contact / rated value	Α	10
Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting No	Operating voltage / of the auxiliary contacts / for AC / maximum	V	500
Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting No	Insulation voltage / of the auxiliary switch / rated value	V	500
Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting • front mounting No	Short-circuit:		
Installation/mounting/dimensions: Type of mounting • front mounting No			fuse gL/gG: 20 A
Type of mounting • front mounting No			fuse gL/gG: 10 A
• front mounting No	Installation/mounting/dimensions:		
	Type of mounting		floor mounting
• front mounting with central fixation No	• front mounting		No
	front mounting with central fixation		No

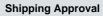
• front mounting with 4-hole fixation		No
• series installation		Yes
Rail installation		No
Width	mm	67
Height	mm	75
Depth	mm	385

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	4 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
Conductor cross section that can be connected / for main contacts / solid / maximum	mm²	6
Conductor cross section that can be connected / for main contacts / stranded / minimum	mm²	1
Conductor cross section that can be connected / for main contacts / stranded / maximum	mm²	6
Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum	mm²	4
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

Declaration of Environmental Conformity 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/3LD2017-0TK13/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2017-0TK13

CAx-Online-Generator

http://www.siemens.com/cax

last change: Nov 1, 2012