SIEMENS

Data sheet 3LD2244-0TK53



EMERG. STOP SWITCH 3-POLE IU=32, P/AC-23A AT 400V=11.5KW FLOOR MOUNTING DIN RAIL/TWO-HOLE MOUNTING ROTARY ACTUATOR RED/YELLOW (EMERG. STOP)

Model				
product brand name		SENTRON		
Product designation		Main and EMERGENCY-STOP switches		
Design of the operating mechanism		rotary actuator, red/yellow		
Type of the driving mechanism / motor drive		No		
General technical data				
Number of poles		3		
Type of device		fixed mounting		
Protection against electrical shock		finger-safe		
Mechanical service life (switching cycles) / of the		100 000		
main contacts / typical				
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	Α	32		
Short-time current resistance (Icw) / at 690 V / limited	Α	640		
to 1 s / Rated value				
Main circuit				
Operating frequency				
initial value	Hz	50		

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 400 V / Rated value • at AC-3 / at 690 V / Rated value • at AC-3 / at 690 V / Rated value • at AC-3 / at 690 V / Rated value • with AC / at 50/60 Hz / Rated value V 9.5 Operating vortage • with AC / at 50/60 Hz / Rated value A 32	Full-scale value	Hz	60
• at AC-23 A / at 690 V / Rated value	Operating power		
• at AC-3 / at 400 V / Rated value	• at AC-23 A / at 400 V / Rated value	kW	11.5
at AC-3 / at 690 V / Rated value by 690 Operating voltage with AC / at 50/60 Hz / Rated value Operating current / at AC-21 / Rated value A 32 Auxiliarry circuit Number of CC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts / viith AC Operating voltage / of the auxiliary contacts Operating voltage /	• at AC-23 A / at 690 V / Rated value	kW	11.5
Operating voltage • with AC / at 50/60 Hz / Rated value Operating current / at AC-21 / Rated value A 32 Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value Suitability Suitability Suitability Suitability Suitability Froduct descended / maximum • motor drive • Ves Product details Product expansion / optional • motor drive • Voltage trigger No Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — single or multi-stranded / maximum — single or multi-stranded / maximum — stranded / minimum — stranded / maximum mm² 1.5	• at AC-3 / at 400 V / Rated value	kW	9.5
with AC / at 50/60 Hz / Rated value Operating current / at AC-21 / Rated value A 32 Auxiliary circuit Number of CO contacts / for auxiliary contacts On contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value Suitability Suitability Suitability Suitability Suitability Froduct disconnector Self (Secondary) - EMERGENCY OFF switch - safety switch - maintenance/repair switch Product details Product details Product expansion / optional - motor drive - Voltage trigger Connections Connections Connections Connections Connections Connections Connections - single or multi-stranded / minimum - finely stranded / with core end processing / maximum - stranded / minimum - stranded / maximum M	• at AC-3 / at 690 V / Rated value	kW	9.5
Operating current / at AC-21 / Rated value Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Ourhouse of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Continuous current / of the auxiliary switch / Rated value Suitability Suitability Suitability Suitability or use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product details Product expansion / optional • motor drive • Voltage trigger Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / maximum mm² 1.5 ms 1.5	Operating voltage		
Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value Insulation voltage / of the auxiliary switch / Rated value Suitability Suitability Suitability Suitability Suitability For use Main switch safety switch safety switch maintenance/repair switch Product details Product details Product expansion / optional motor drive Voltage trigger Connections Connectable conductor cross-section for main contacts — single or multi-stranded / minimum — single or multi-stranded / miximum — finely stranded / miximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 1.6	• with AC / at 50/60 Hz / Rated value	V	690
Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Ourbound of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value Insulation voltage / of the auxiliary switch / Rated value Suitability Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch Product details Product details Product expansion / optional • motor drive • Voltage trigger Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / maximum — single or multi-stranded / maximum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / minimum — stranded / maximum mm² 1.5 maximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 1.5 mm² 1.5 mm² 1.5	Operating current / at AC-21 / Rated value	Α	32
Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Ourbound of NC contacts / for auxiliary contacts Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value Insulation voltage / of the auxiliary switch / Rated value Suitability Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch Product details Product details Product expansion / optional • motor drive • Voltage trigger Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / maximum — single or multi-stranded / maximum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / minimum — stranded / maximum mm² 1.5 maximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 1.5 mm² 1.5 mm² 1.5	Auxiliary circuit		
Number of NO contacts / for auxillary contacts Operating voltage / of the auxillary contacts / with AC / maximum Continuous current / of the auxillary contact / Rated value Insulation voltage / of the auxillary switch / Rated value Insulation voltage / of the auxillary switch / Rated value Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product feature / interlock Product expansion / optional • motor drive • Voltage trigger Connections Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 1.5 mm² 1.5 mm² 1.5			0
Operating voltage / of the auxiliary contacts / with AC / maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value V 500 Suitability Product descend for a safety switch Product details Product details Product feature / interlock Product expansion / optional • motor drive • Voltage trigger Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 1.5 mm² 1.5 mm² 1.5 mm² 1.5	Number of NC contacts / for auxiliary contacts		0
/ maximum Continuous current / of the auxiliary contact / Rated value Insulation voltage / of the auxiliary switch / Rated value Suitability Frou se Main switch Safety safety switch Safety safety switch Safety safety switch Safety switch Safety safety switch Safety safet	Number of NO contacts / for auxiliary contacts		0
value Insulation voltage / of the auxiliary switch / Rated value Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product expansion / optional • motor drive • Voltage trigger Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — single or multi-stranded / maximum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / maximum — stranded / minimum — stranded / minimum — stranded / maximum — stra		V	500
value Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product feature / interlock Product expansion / optional • motor drive • Voltage trigger No Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / maximum — single or multi-stranded / maximum — finely stranded / with core end processing / mm² 1.5 — stranded / minimum — stranded / maximum — stranded / maximum — stranded / maximum mm² 1.5 — stranded / maximum mm² 1.6 — stranded / maximum mm² 1.7 1.8 — stranded / maximum mm² 1.8 — stran	-	Α	10
Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product expansion / optional • motor drive • Voltage trigger Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / maximum — single or multi-stranded / maximum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / minimum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 mm² 1.5 maximum mm² 1.5 maximum mm² 1.5 maximum mm² 1.5		V	500
Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Product details Product details Product expansion / optional motor drive Voltage trigger Connections Connectable conductor cross-section for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 1.5 maximum mm² 1.5 maximum mm² 1.5 maximum mm² 1.5 maximum mm² 1.5	Suitability		
switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Product details Product feature / interlock Product expansion / optional motor drive Voltage trigger Connections Connectable conductor cross-section for main contacts — single or multi-stranded / minimum — single or multi-stranded / maximum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum — stranded / maximum mm² 1.5 maximum mm² 1.5			
EMERGENCY OFF switch safety switch maintenance/repair switch Product details Product feature / interlock Product expansion / optional motor drive Voltage trigger No Connections Connectable conductor cross-section for main contacts — single or multi-stranded / maximum — finely stranded / with core end processing / maximum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum mm² 1.5 maximum mm² 1.5 maximum mm² 1.5 maximum mside or multi-stranded / maximum mm² 1.5 maximum mside or minimum	Main switch		Yes
safety switch maintenance/repair switch Product details Product expansion / optional motor drive Voltage trigger Connections Connectable conductor cross-section for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum mm² 1.5	switch disconnector		Yes
maintenance/repair switch Product details Product feature / interlock Product expansion / optional motor drive Voltage trigger Connections Connectable conductor cross-section for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum — stranded / minimum mm² 1.5 maximum mm² 1.5	 EMERGENCY OFF switch 		Yes
Product details Product feature / interlock Product expansion / optional • motor drive • Voltage trigger Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — single or multi-stranded / maximum — finely stranded / with core end processing / mm² — stranded / minimum — stranded / minimum — stranded / maximum	safety switch		Yes
Product expansion / optional • motor drive • Voltage trigger Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — finely stranded / with core end processing / maximum — stranded / minimum — stranded / minimum — stranded / maximum mm² 1.5 — stranded / maximum mm² 1.5 — stranded / maximum mm² 1.5	maintenance/repair switch		Yes
Product expansion / optional • motor drive • Voltage trigger No Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum — single or multi-stranded / maximum — finely stranded / with core end processing / mm² — stranded / minimum — stranded / minimum — stranded / minimum — stranded / minimum — stranded / maximum	Product details		
motor drive Voltage trigger Connections Connectable conductor cross-section for main contacts — single or multi-stranded / minimum	Product feature / interlock		Yes
● Voltage trigger Connections Connectable conductor cross-section ● for main contacts — single or multi-stranded / minimum mm² 1.5 — single or multi-stranded / maximum mm² 16 — finely stranded / with core end processing / mm² 10 maximum — stranded / minimum mm² 1.5 — stranded / maximum 1.5 — stranded / maximum mm² 1.5	Product expansion / optional		
Connections Connectable conductor cross-section • for main contacts — single or multi-stranded / minimum mm² 1.5 — single or multi-stranded / maximum mm² 16 — finely stranded / with core end processing / mm² 10 maximum — stranded / minimum mm² 1.5 — stranded / maximum mm² 1.5	motor drive		No
Connectable conductor cross-section ● for main contacts — single or multi-stranded / minimum mm² 1.5 — single or multi-stranded / maximum mm² 16 — finely stranded / with core end processing / mm² 10 maximum — stranded / minimum mm² 1.5 — stranded / maximum mm² 1.5	 Voltage trigger 		No
Connectable conductor cross-section ● for main contacts — single or multi-stranded / minimum mm² 1.5 — single or multi-stranded / maximum mm² 16 — finely stranded / with core end processing / mm² 10 maximum — stranded / minimum mm² 1.5 — stranded / maximum mm² 1.5	Connections		
 — single or multi-stranded / minimum — single or multi-stranded / maximum — finely stranded / with core end processing / mm² — stranded / minimum — stranded / maximum — stranded / maximum — stranded / maximum 1.5 — stranded / maximum — 16 			
 — single or multi-stranded / maximum — finely stranded / with core end processing / mm² — stranded / minimum — stranded / maximum — stranded / maximum — stranded / maximum — 1.5 — stranded / maximum — 1.5 — stranded / maximum — 1.5 — 1.5	• for main contacts		
— finely stranded / with core end processing / mm² 10 maximum — stranded / minimum mm² 1.5 mm² 16	— single or multi-stranded / minimum	mm²	1.5
maximum — stranded / minimum — stranded / maximum mm² 1.5 mm² 16	- single or multi-stranded / maximum	mm²	16
— stranded / maximum mm² 16		mm²	10
	— stranded / minimum	mm²	1.5
	— stranded / maximum	mm²	16

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— single or multi-stranded / minimum	mm²	0.75
— single or multi-stranded / maximum	mm²	4
finely stranded / with core end processing / minimum	mm²	0.75
finely stranded / with core end processing / maximum	mm²	2.5
— stranded / minimum	mm²	0.75
— stranded / maximum	mm²	4
Type of connectable conductor cross-section		
 for main contacts / finely stranded / with core end processing 		10
 for auxiliary contacts 		
— solid		50
— finely stranded / with core end processing		2x (0.75 1.5 mm2), 1x 2.5 mm2
Type of electrical connection		
for main current circuit		connection terminals
for auxiliary contacts		connection terminals
·		
Requirements		
Design of the fuse link		
 for short-circuit protection of the main circuit / required 		fuse gL/gG: 40 A
 for short-circuit protection of the auxiliary switch / required 		fuse gL/gG: 10 A
Mechanical Design		
Mechanical Design Height	mm	84
	mm mm	84 67
Height		
Height Width	mm	67
Height Width Depth	mm	67 451.5
Height Width Depth Mounting type	mm	67 451.5
Height Width Depth Mounting type Mounting type	mm	67 451.5 floor mounting
Height Width Depth Mounting type Mounting type • front mounting	mm	67 451.5 floor mounting No
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment	mm	67 451.5 floor mounting No No
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment	mm	67 451.5 floor mounting No No Yes
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting	mm	67 451.5 floor mounting No No Yes Yes
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting • rail mounting	mm	67 451.5 floor mounting No No Yes Yes
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting • rail mounting Environmental conditions	mm	67 451.5 floor mounting No No Yes Yes
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting • rail mounting Environmental conditions Ambient temperature	mm	67 451.5 floor mounting No No Yes Yes No
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting • rail mounting Environmental conditions Ambient temperature • during operation / minimum • during operation / maximum Certificates	°C °C	67 451.5 floor mounting No No Yes Yes No
Height Width Depth Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting • rail mounting Environmental conditions Ambient temperature • during operation / minimum • during operation / maximum Certificates Equipment marking	°C °C	67 451.5 floor mounting No No Yes Yes No -25 55
Height Width Depth Mounting type Mounting type • front mounting • front mounting with 4-hole attachment • front mounting with central attachment • Side-by-side mounting • rail mounting Environmental conditions Ambient temperature • during operation / minimum • during operation / maximum Certificates	°C °C	67 451.5 floor mounting No No Yes Yes No

General Product Approval













General Product Approval	Declaration of Conformity	Test Certificates	Shipping Appr	roval	other
other	CE	Special Test Certificate	GL®	W SOLUTION STATE OF THE STATE O	Environmental Confirmations
	EG-Konf.		GL	PRS	

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/3LD22440TK53

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3LD22440TK53/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD22440TK53

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv

