SIEMENS

Data sheet

3LD2003-2EP53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4-pole, Iu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, front-mounted, 1 NC, 1 NO, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

Model		
product brand name	SENTRON	
product designation	3LD Switch disconnector	
design of the product	EMERGENCY-STOP switch	
display version / for switch position indicator manual operation	1 ON - 0 OFF	
design of the actuating element	Short rotary knob	
design of handle	rotary operating mechanism, red/yellow	
type of the driving mechanism / motor drive	No	
General technical data		
number of poles	4	
type of device	fixed mounting	
type of switch	front mounted	
size of switch disconnector	1	
mechanical service life (switching cycles) / typical	100 000	
electrical endurance (switching cycles)		
• at AC-23 A / at 690 V	6 000	
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	3 kA2.s	
let-through l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	2.5 kA2.s	
operating frequency / maximum	50 1/h	
Voltage		
insulation voltage / rated value	690 V	
surge voltage resistance / rated value	6 kV	
Protection class		
protection class IP	IP65	
degree of protection NEMA rating	1, 3R, 4X, 12	
protection class IP / on the front	IP65	
Dissipation		
power loss [W]		
 for rated value of the current / at AC / in hot operating state / per pole 	0.5 W	
 per conductor / typical 	1 W	
Current		
operational current		
• at 40 °C / rated value	16 A	
• at 45 °C / rated value	16 A	
• at 50 °C / rated value	16 A	
• at 55 °C / rated value	16 A	

		40.4
	• at AC / rated value	16 A
operational current / of upstream fuse / rade value 20 A iet-Hrough current / with losed awitch 20 A iet-Hrough current / with losed awitch 3 KA maximum permissible 3 KA maximum permissible 3 KA maximum permissible 3 KA maximum permissible 4 KW et AC-23 A / at 240 V / rated value 4 KW et AC-23 A / at 240 V / rated value 8 KW et AC-23 A / at 240 V / rated value 8 KW et AC-23 A / at 240 V / rated value 8 KW et AC-23 A / at 240 V / rated value 8 KW et AC-23 A / at 240 V / rated value 8 KW et AC-23 A / at 240 V / rated value 5 KW et AC-23 A / at 240 V / rated value 1 A et AC-23 A / at 240 V / rated value 16 A Auxning varout 16 A Auxning varout 16 A Auxning varout 16 A Auxning varout 16 A Auxning varouts / far auxning vontacts 1 operating voltage / of the auxning vontacts 1 operating voltage / of the auxning vontacts 1		
ied-through current / with clased switch 3 KA et 860 // for combination switch + gG fuse / 3 KA mastmum at RC30 // for combination switch + gG fuse / 3 KA mastmum permissible 3 KA Main circuit operating power 4 KW et A/C-32 A/ at 240 V / rated value 4 KW et A/C-32 A/ at 40 V / rated value 7.5 KW et A/C-32 A/ at 40 V / rated value 8 KW et A/C-32 A/ at 40 V / rated value 8 KW et A/C-32 A/ at 40 V / rated value 8 KW et A/C-37 at 240 V / rated value 8 KW et A/C-37 at 240 V / rated value 8 KW et A/C-37 at 240 V / rated value 16 A Mustingy central 1 number of CO contrads? / for auxiliary contrads 1 number of NC contrads / for auxiliary contrads 1 operating valtage / of auxiliary contrads 1		
		20 A
maximum a GSD / for combination switch + gS fuse / 3 KA maximum permissible a AC-23 A / a 1240 V / rated value 4 KW at AC-23 A / a 1440 V / rated value 4 KW at AC-23 A / a 1440 V / rated value 8 KW at AC-23 A / a 1440 V / rated value 7.5 KV at AC-23 A / a 1440 V / rated value 8 KW at AC-23 A / a 1440 V / rated value 8 KW at AC-33 A / a 140 V / rated value 8 KW at AC-37 (a 1400 V / rated value 5 KW at AC-37 (a 1400 V / rated value 5 KW at AC-37 (a 1400 V / rated value 16 A Auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating value / of auxiliary contacts 1 output of the auxiliary contacts 1 output of the auxiliary contacts 1 AC-1 maximum switch disconnector Yes • wain switch Yes • atel xet X	-	0.14
• at 600 V / for combination switch + gG fuse / maximum permissible 3 KA Main circuit • at Acc23 / at 240 V / rated value 4 kW • at Acc23 / at 240 V / rated value 5 kW • at Acc23 / at 240 V / rated value 7.5 kW • at Acc23 / at 240 V / rated value 8 kW • at Acc23 / at 240 V / rated value 8 kW • at Acc23 / at 240 V / rated value 8 kW • at Acc3 / at 400 V / rated value 8 kW • at Acc3 / at 240 V / rated value 6 kW • at Acc3 / at 240 V / rated value 5 kW • at Acc3 / at 240 V / rated value 6 kW • at Acc3 / at 260 V / rated value 5 kW • at Acc3 / at 260 V / rated value 16 A Auxiliary circuit 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operational contacts / for auxiliary contacts 10 A insultation value 10 A		3 KA
maximum permissible Alon circuit operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 / at 260 V / rated value • at 260 /		3 kA
operating power 4 KW • at AC-23 A / at 240 V / rated value 4 KW • at AC-23 A / at 400 V / rated value 8 KW • at AC-23 A / at 400 V / rated value 7.5 KW • at AC-23 A / at 260 V / rated value 8 KW • at AC-3 A / at 260 V / rated value 8 KW • at AC-3 / at 280 V / rated value 8 KW • at AC-3 / at 280 V / rated value 5 KW • at AC-3 / at 280 V / rated value 5 KW • at AC-3 / at 280 V / rated value 16 A Awailary decort 1 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 10 A insultaton voltage / of the auxiliary contact / rated value 500 V Soutbally 500 V suitability for use • • awidt bilsconnector Yes • safet systeh Yes • asset systeh Yes • asset bilsconnector Yes • and to coler / of the actualing element red Product feature • • coler / of the actualing element red Product feature 50 kA • and bilocheel indo OFF posit		
	Main circuit	
	operating power	
	at AC-23 A / at 240 V / rated value	4 kW
• at AC-33 / at 260 V / rated value 8 kW • at AC-3 / at 240 V / rated value 3 kW • at AC-3 / at 260 V / rated value 5 kW operational current / rated value 5 kW operational current / rated value 6 kW number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 continuous current / of the auxiliary contacts 10 A insulation voltage / of the auxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 500 V suitability for use • • anin switch Yes • anine ance/repairs witch Yes • anine backed into OFF position Yes • can be locked into OFF position Yes • can be locked into OFF position Yes • canabe locked into OFF position	 at AC-23 A / at 400 V / rated value 	8 kW
et AC-3 / at 240 V / rated value AV et AC-3 / at 240 V / rated value AV et AC-3 / at 900 V / rated value AV et AC-3 / at 900 V / rated value Availary circuit operational current / rated value Auxiliary circuit Inumber of Co contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 continuous current / of the auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 continuous current / of the auxiliary contacts 1 contacts / for auxiliary contacts / for auxiliary con	 at AC-23 A / at 440 V / rated value 	7.5 kW
	 at AC-23 A / at 690 V / rated value 	8 kW
• at AC-3 / at 600 V / rated value 5.5 kW operational current / rated value 16 A Availary circuit 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 continuous current / of the auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V suitability 500 V suitability for use 0 • nain switch Yes • saint switch Yes • saint switch Yes • saint switch Yes • anaintenance/repair switch Yes • anaintenance/repair switch Yes Appearance color / of the actuating element product feature red • and be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product feature No • ontal be locked into OFF position Yes	 at AC-3 / at 240 V / rated value 	3 kW
operational current / rated value 16 A Auxiliary circuit Inumber of CO contacks / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 continuous current / of the auxiliary contact / rated value 500 V continuous current / of the auxiliary switch / rated value 500 V Suitability suitability suitability suitability suitability for use ves • main switch Yes • suitability for use ves • EMERGENCY OFF switch Yes • and insourch Yes • main switch Yes • and insourch Yes • and the actuating element red Product details red product details red product details s number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product details red orenof dr	• at AC-3 / at 400 V / rated value	6 kW
Auxiliary circuit number of CQ contacts / for auxiliary contacts 0 number of NQ contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V Suitability 500 V Suitability 500 V suitability for use • • main switch Yes • switch disconnector Yes • main switch Yes • adity switch Yes • adity switch Yes • adity switch Yes • adity switch Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 8 mm product detatis 0 ortidiner drive No • voltage trigger No Short circuit 000 V c	• at AC-3 / at 690 V / rated value	5.5 kW
Auxiliary circuit number of CQ contacts / for auxiliary contacts 0 number of NQ contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V Suitability 500 V Suitability 500 V suitability for use • • main switch Yes • switch disconnector Yes • main switch Yes • adity switch Yes • adity switch Yes • adity switch Yes • adity switch Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 8 mm product detatis 0 ortidiner drive No • voltage trigger No Short circuit 000 V c	operational current / rated value	16 A
number of CC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary switch / rated value 500 V Suitability 500 V color / of the actuating element Product feature		
number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contact AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of auxiliary switch / rated value 500 V Suitability suitability suitability for use Yes • main switch Yes • switch disconnector Yes • maintenance/repair switch Yes • auxiliary element Yes • maintenance/repair switch Yes • maintenance/repair switch Yes product feature red • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product textension / optional No • ontor drive No • olage frigger No Short circuit 50 kA according UL 600 V operating voltage / faux / at 80/ A / according to UL 500 V		0
number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 10 A suitability 500 V Suitability 500 V suitability for use 500 V • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • anaintenance/repair switch Yes • cold rot feature red • cold rot feature red • cold rot cells Yes product details Yes product detaulis a product detaulis a product detaulis a product detaure a • can be locked into OFF position Yes number of bracket locks / maximum a nasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional no • voltage trigger No Stort circuit 50 kA conditional short-circuit current / with line-side fuse protection 600 V operating voltage / a AC / at 50/60 Hz / according to UL 600		
operating voltage / of auxillary contacts / at AC / maximum 500 V continuous current / of the auxillary contact / rated value 10 A insulation voltage / of the auxillary switch / rated value 500 V Suitability south / rated value 500 V suitability suitability 500 V suitability res 500 V safety switch Yes 7 product feature can be locked into OFF position Yes number of bracket locks / maximum 3 3 hasp thickness / of the bracket locks / maximum 8 mm product feature <td></td> <td></td>		
Image: continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability for use • main switch • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes Otor / of the actuating element Yes Product details red product feature • can be locked into OFF position • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • notor drive • woltage trigger No Short circuit Stoke conditional stont-circuit current / with line-side fuse 50 kA eccording UL 0perating value 50 kA eccording UL 600 V 600 V 0s8/UL 60947-4-1 / rated value 7.5 0s9/UL		
insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability or use • main switch Yes • switch disconnector Yes • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • color / of the actuating element red Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 8 mm product details No voltage trigger No Short circuit 50 kA according UL 50 kA according UL 600 V oparating voltage / at AC / at 50/60 Hz / according to UL 7.5 030/L 60947-4-1 / rated value 7.5 solvuL 60947-4-1 / rated value 10 solvuL 60947-4-1 / rated value 10		
Suitability suitability for use • main switch Yes • switch disconnector Yes • safety switch Yes • safety switch Yes • maintenance/repair switch Yes color / of the actuating element red Product details red product feature • can be locked into OFF position • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • woltage trigger • woltage trigger No Short circuit Coording UL operational short-circuit current / with line-side fuse 50 kA according UL 600 V operational current / at AC / according to UL 600 V 508/UL 60947-4-1 / rated value 7.5 cool/log 947-4-1 / rated value 10 sbort-time withstand current (SCCR) / at 600 V / according to UL 5kA		
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Appearance red color / of the actuating element red Product details product details product details red Product feature • can be locked into OFF position • number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • motor drive • woltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL 600 V operational current / at AC / at coording to UL 600 V SoB/UL 60947-4-1 / rated value 7.5 active power (hp) / at AC / at 480 V / according to UL 50kL active power (hp) / at AC / at 600 V / according to UL 50kL soB/UL 60947-4-1 / rated value 10 soB/UL 60947-4-1 / rated value 50 KA		
 switch disconnector Yes EMERGENCY OFF switch safety switch maintenance/repair switch Yes maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature can be locked into OFF position Yes anay thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum momber of tracket locks / maximum montor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value So kA decording UL operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 400 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 400 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 400 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according to SkA 		Vec
EMERGENCY OFF switch Yes safety switch Yes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes Appearance color / of the actuating element red Product details product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 map thickness / of the bracket locks / maximum 8 motor drive • notor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		
safety switch Yes maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 4 mm hasp thickness / of the bracket locks / maximum 8 may thickness / of the bracket locks / maximum 4 mm hasp thickness / of the bracket locks / maximum 8 motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 KA		
Appearance color / of the actuating element red Product details product feature • can be locked into OFF position Number of bracket locks / maximum 1 hasp thickness / of the bracket locks / minimum + hasp thickness / of the bracket locks / maximum 9 product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL	-	
color / of the actuating element red Product details product feature • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 480 V / according to UL 508/UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50		165
Product details product feature • can be locked into OFF position number of bracket locks / maximum asp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum asp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum notor drive • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value soperational current / at AC / according to UL folge47-4-1 / rated value operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value		
product feature Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • motor drive • woltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value operational current / at AC / according to UL 508/UL 600 V obg47-4-1 / rated value 600 V active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 short-tirme withstand current (SCCR) / at 600 V / according to UL 508 / L 60947-4-1 / rated value 5 kA	č	rea
• can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional 8 mm • wotor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL 0perational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10		
number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional 8 mm • motor drive No • voltage trigger No Short circuit 2000 conditional short-circuit current / with line-side fuse protection 50 kA according UL 50 kA operational current / at AC / according to UL 508/UL 16 A operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 7.5 S08/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 50 kA	•	N/
hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional 8 mm • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 50 kA according UL 50 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 7.5 short-time withstand current (SCCR) / at 600 V / according to UL 508 / J according to UL 508 / J according to UL 508 / J according to J a	· · · · · · · · · · · · · · · · · · ·	
hasp thickness / of the bracket locks / maximum 8 mm product extension / optional No • motor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value 5		
product extension / optional No • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 50 kA according UL • operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 7.5 soB/UL 60947-4-1 / rated value 10 short-time withstand current (SCCR) / at 600 V / according 5 kA		
motor drive voltage trigger No voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	•	8 mm
voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL for the withstand current (SCCR) / at 600 V / according for the with the tore to t		
Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA		
conditional short-circuit current / with line-side fuse protection 50 kA • at 690 V / by gG fuse / rated value 50 kA according UL 50 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 16 A operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 5 kA		NO
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 16 A o0947-4-1 / rated value 16 A operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA		
according UL operational current / at AC / according to UL 508/UL 16 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 5 kA	protection	
operational current / at AC / according to UL 508/UL 16 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 5 kA	• at 690 V / by gG fuse / rated value	50 kA
60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 5 kA	according UL	
508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 5 kA		16 A
508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 5 kA		600 V
508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA		7.5
		10
		5 kA

continuous current / of upstream fuse / according to UL /	50 A
rated value	
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	1
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	1
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
 maximum minimum 	10 18
type of connectable conductor cross-sections / for copper	10
conductor	A. (4 Comm ²)
• solid	1x (16mm ²)
 finely stranded / with core end processing 	1x (14mm ²)
• stranded	1x (16mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 finely stranded / with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Requirements	
design of the fuse link	
 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	
height	84 mm
width	67 mm
depth	92.5 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
 front mounting with central attachment 	No
• rail mounting	No
net weight	227 g
Environmental conditions	
ambient temperature / during operation minimum 	-25 °C
• maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
General Product Approval	
General Froduct Approval	
	Miscellaneous UL VDE
General Product Declaration of Conformity	Test Certificates Marine / Shipping other







Special Test Certificate



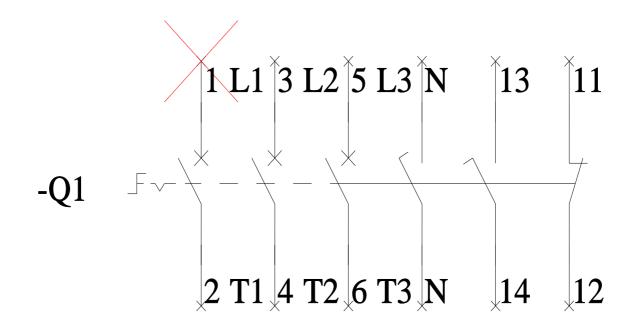
Miscellaneous

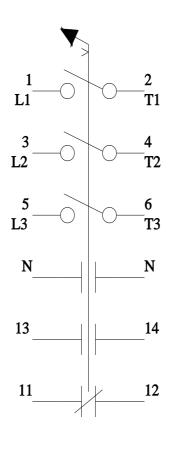
other

Environmental Confirmations

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2003-2EP53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2003-2EP53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2003-2EP53 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





-CI

Ø