SIEMENS

Data sheet

3LD2330-0TK13



SENTRON, switch disconnector 3LD, emergency switching-off switch, 3pole, lu: 160 A, operating performance / at AC-23 A at 400 V: 75 kW, installation in distribution boards, knob-operated mechanism, red/yellow, handle direct at the switch

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
type of switch	DIN-rail mounting
design of the actuating element	selector switch
color / of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
size of switch disconnector	5
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
operating frequency / maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	8 kV
operating voltage	
at AC / rated value	690 V
operating frequency / rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP40
protection class IP / on the front	IP40
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	36 W
Current	
operational current / rated value	160 A
operational current	
• at 40 °C / rated value	160 A
 at 45 °C / rated value 	160 A
• at 50 °C / rated value	160 A

		400.4
Main calculation operational current ••••••••••••••••••••••••••••••••••••	• at 55 °C / rated value	160 A
operating ourset 160 A • at AC-21 A 1260 V / rated value 160 A • at AC-21 A 1240 V / rated value 160 A • at AC-21 A 1 at 240 V / rated value 160 A • at AC-21 A 1 at 240 V / rated value 160 A • at AC-23 A / at 240 V / rated value 132 A operating power • • at AC-23 A / at 240 V / rated value 132 kW • at AC-23 A / rated V / rated value 132 kW • at AC-23 A / rated V / rated value 132 kW • at AC-31 A rated V / rated value 132 kW • at AC-31 at 260 V / rated value 132 kW • at AC-31 at 260 V / rated value 35 kW • at AC-31 at 260 V / rated value 35 kW • at AC-31 at 260 V / rated value 37 kW Auxiliary contacts 0 number of No contacts / for auxiliary contacts 0 operating value 7 dw Viraed value contacts / for auxiliary contacts 0 operating value 7 dw Viraed value contacts / for auxiliary contacts 0 operating value 7 dw Viraed value sutabality for use		160 A
• at AC-21 / at 600 V / rated value 160 A • at AC-21 A / at 440 V / rated value 160 A • at AC-21 A / at 440 V / rated value 160 A • at AC-23 A / at 440 V / rated value 160 A • at AC-23 A / at 420 V / rated value 132 kW • at AC-23 A / at 420 V / rated value 132 kW • at AC-23 A / at 420 V / rated value 132 kW • at AC-23 A / at 420 V / rated value 132 kW • at AC-23 A / at 420 V / rated value 132 kW • at AC-23 A / at 420 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 132 kW • at AC-31 / at 600 V / rated value 10 A • at AC-31 / at 600 V / rated value 10 A • at AC-31 / at 600 V / rated value 10 A • at AC-31 / at 600 V / rated value 10 A • at AC-31 / at 600 V / rated value 10 A • at AC + 10 /		
 et AC-21 A / et 200 V / rated value 160 A et AC-21 A / et 400 V / rated value 160 A et AC-23 A / et 400 V / rated value 150 A et AC-23 A / et 400 V / rated value 152 A operating power et AC-23 A / et 400 V / rated value 152 kW et AC-23 A / et 400 V / rated value 152 kW et AC-23 A / et 400 V / rated value 152 kW et AC-23 A / et 400 V / rated value 152 kW et AC-23 A / et 400 V / rated value 152 kW et AC-23 A / et 400 V / rated value 152 kW et AC-3 / et 400 V / rated value 152 kW et AC-3 / et 400 V / rated value 152 kW et AC-3 / et 400 V / rated value 150 kW et AC-3 / et 400 V / rated value 150 kW et AC-3 / et 400 V / rated value 150 kW et AC-3 / et 400 V / rated value 160 A et AC-3 / et 400 V / rated value 170 kW Auxiliary contacts 180 kW et AC-3 / et 400 kW et AC-3 / et 400 kW et AC-3 / et 400 kW et AC-40 kW et AC-	•	160.4
 et AC-21 A / et 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-23 A / at 400 V / rated value et AC-33 / at 400 V / rated value et AC-33 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / at 600 V / rated value et AC-31 / et AC-31 / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usaliary contact / et AC / rated value for usalia		
 et AC-21 Ar / st 4d0 V / rated value 132 A operating power et AC-23 A / st 2d0 V / rated value 132 kW et AC-23 A / st 2d0 V / rated value 132 kW et AC-23 A / rat 4d0 V / rated value 132 kW et AC-23 A / rat 4d0 V / rated value 132 kW et AC-23 A / rat 4d0 V / rated value 132 kW et AC-23 A / rat 4d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rat 2d0 V / rated value 132 kW et AC-3 / rated value 132 kW et AC-3 / rated value 132 kW et AC-3 / rated value 142 kW et AC-3 / rated value 160 / runber of NC contects / rated value 160 A runber of NC contects / rated value 160 A runber of NC contects / rated value 160 V et allog avitch / rated value et allog avitch /		
• et AC-23 A / at 400 V / rated value 132 A operating power 132 kW • at AC-23 A / at 400 V / rated value 132 kW • at AC-23 A / at 400 V / rated value 132 kW • at AC-23 A / at 400 V / rated value 132 kW • at AC-23 A / at 400 V / rated value 132 kW • at AC-3 A / at 400 V / rated value 15 kW • at AC-3 / at 400 V / rated value 50 kW • at AC-3 / at 400 V / rated value 50 kW • at AC-3 / at 600 V / rated value 0 • at AC-3 / at 600 V / rated value 0 • at AC-3 / at 600 V / rated value 0 • at AC-3 / rat 600 V / rated value 0 • at AC-3 / rat 600 V / rated value 0 • at AC-3 / rat 600 V / rated value 0 • at AC-3 / rat 600 V / rated value 0 • at AC-3 / rated value 0 •		
operating power ••••••••••••••••••••••••••••••••••••		
a i AC-23 A / at 400 V / rated value 132 kW a i AC-23 A / at 400 V / rated value 132 kW a i AC-23 A / at 400 V / rated value 132 kW a i AC-33 A / at 400 V / rated value 45 kW a i AC-33 A / at 400 V / rated value 50 kW a i AC-3 A / at 400 V / rated value 50 kW a i AC-3 / rated value 50 kW a i AC-3 / rated value 50 kW a i AC-3 / rated value 0 a i a i AC-3 / rated value 0 a i a i AC-3 / rated value 0 a i a i AC-3 / rated value 0 a i a i a i a i a i a i a i a i a i a i		102 A
• at AC-23 A / at 400 V / rated value 132 kW • at AC-23 A / at 400 V / rated value 132 kW • at AC-33 A / at 400 V / rated value 35 kW • at AC-33 A / at 400 V / rated value 35 kW • at AC-31 at 200 V / rated value 35 kW • at AC-31 at 400 V / rated value 37 kW • at AC-31 at 600 V / rated value 0 • at AC-31 at 600 V / rated value 0 • at AC-31 at 600 V / rated value 0 • at AC-31 at 600 V / rated value 0 • at AC-31 at 600 V / rated value 0 • at AC-31 at 600 V / rated value 0 • contracts / for auxiliary contracts 0 • onthice for contracts / for auxiliary contracts 0 • contracts / for auxiliary contracts 0 • onthice rate ontracts / for auxiliary contracts 0 • auxiliary contract / rated value 500 V Suitability 500 V suitability for use • • main switch Yes • switch discomedor Yes • switch discomedor Yes • switch discomedor Yes • atter each to locked into OFF position * product extension / optional No • motor of rave No • voltage ritiger No		132 kW
• at AC-23 A / at 400 V / rated value 132 kW • at AC-23 A / at 600 V / rated value 45 kW • at AC-3 / at 400 V / rated value 56 kW • at AC-3 / at 600 V / rated value 50 kW • at AC-3 / at 600 V / rated value 50 kW • at AC-3 / at 600 V / rated value 50 kW • at AC-3 / at 600 V / rated value 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / rated value 500 V suitability for use • • main switch Yes • switch disconnector Yes • safety switch Yes • maintenance/regains witch Yes • asfety switch Yes product extension / optional No • notor drive No		
is tAC-23 A / at 680 V / rated value is AC-3 / at 240 V / rated value is AC-3 / at 260 V / rated value is AC-3 / at 680 V / rated value is OV insultain voltage / of the auxiliary contact / rated value is OV V Suitability insultain voltage / of the auxiliary contact / rated value is OV V Suitability for use insultain voltage / of the auxiliary contact / rated value is OV V Suitability for use insultain voltage / of the auxiliary contact / rated value is OV Forduct details product feature / can be locked into OFF position Yes Forduct details routher of connectable NC contacts / for auxiliary contacts / attachabe / maximum interbabe / maximum interbabe / maximum intener of Dreactet locks / na auxiliary contacts		
• at AC-3 / at 690 V / rated value Xusiliary contacts Auxiliary contacts Inumber of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 continuous current / of the auxiliary contact / rated value 500 V contacts / tor auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability for use • main switch Yes • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • main switch Yes • switch disconnector Yes • contact s/ for auxiliary contacts A rouduct extension / optional • notor of drive No number of connectable NC contacts / for auxiliary contacts 2 / ratachable / maximum number of connectable NC contacts / for auxiliary contacts 4 / ratachable / maximum number of connectable CO contacts / for auxiliary contacts 4 / ratachable / maximum at 840 V / for combination switch + gG fuse / maximum permissible is at 800 V / for combination switch + gG fuse / maximum eal 640 V / for combination switch + gG fuse / maximum eal 640 V / for combination switch + gG fuse / maximum eal 640 V / for combination switch + gG fuse / maximum eal 640 V / for combinati	 at AC-3 / at 240 V / rated value 	35 kW
Auxiliary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contacts 0 suitability 500 V suitability 7 suitability 7 product datability 7 suitability 7 suitability 7 product feature / can be locked into OFF position Yes product databis 7 7	 at AC-3 / at 400 V / rated value 	50 kW
number of ICC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts 500 V continuous current / of the auxiliary contacts 500 V suitability 500 V suitability 500 V suitability for use 500 V • main switch Yes • suitability for use Yes • main switch Yes • EMERGENCY OFF switch Yes • safety switch Yes product datalis No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum No number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3	 at AC-3 / at 690 V / rated value 	37 kW
number of ICC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts 500 V continuous current / of the auxiliary contacts 500 V suitability 500 V suitability 500 V suitability for use 500 V • main switch Yes • suitability for use Yes • main switch Yes • EMERGENCY OFF switch Yes • safety switch Yes product datalis No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum No number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3	Auxiliary circuit	
number of NC contacts / for auxiliary contacts 0 number of NQ contacts / for auxiliary contacts 0 operating voltage / of auxiliary contact / rated value 500 V insulation voltage / of the auxiliary contact / rated value 500 V suitability or use 10 A • main switch Yes • witch disconnector Yes • enaintennec/repair witch Yes product feature / can be locked into OFF position Yes • ender three maximum No • ender three No		0
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability 500 V suitability for use 10 A • main switch Yes • EMERGENCY OFF switch Yes • anintenance/repair switch Yes Product details Yes product details product details product details No • voltage trigger No • unable of drive No • voltage trigger No • unable of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks 4 / attachable / maximum 3 number of bracket locks 4 sheap thickness / of the bracket locks 50 kA etable // condition switch + gG fuse / 15 kA maximum 15 kA maximum </td <td></td> <td>0</td>		0
continuous current / of the auxiliary switch / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability • main switch Yes • switch disconnector Yes • SMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes Product details Product details product details Product details product extension / optional • • number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum No number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3 number of connectable CCS contacts / for auxiliary contacts 10 kA Short circuit 50 kA elet-through current / with line-side fuse / maximum 3 • at 400 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum		0
insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use • main switch Yes • switch disconnector Yes • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes Product details product feature / can be locked into OFF position Yes accessories product extension / optional No ondor drive ontactable / naximum number of connectable NO contacts / for auxiliary contacts fatachable / maximum at advable / maximum at drabule / maximum at drabule / maximum at drabule / maximum at drabule / robot bracket locks at drabule / for combination switch + gG fuse / maximum at drabule / for combination switch + gG fuse / maximum at drabule / for combination switch + gG fuse / maximum at drabule /	operating voltage / of auxiliary contacts / at AC / maximum	500 V
Suitability suitability suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch • maintenance/repair switch Yes • maintenance/repair switch Yes Product details product details product details outor drive • woltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum at 4690 V / by G fuse / rated value iet-through current / with line-side fuse / maximum • at 490 V / for combination switch + gG fuse / maximum • at 490 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum	continuous current / of the auxiliary contact / rated value	10 A
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes Product details product feature / can be locked into OFF position product details yes product details number of connectable NC contacts / for auxiliary contacts • woltage trigger No number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 2 number of connectable CO contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 4 / attachable / maximum 3 number of bracket locks / maximum 3 neap thickness / of the bracket locks 4 eat 690 V / by gG fuse / rated value 50 kA let-through current / with line-side fuse / maximum 15 kA eat 440 V / for combination switch + gG fuse / maximum 15 kA eat 440	insulation voltage / of the auxiliary switch / rated value	500 V
• main switch Yes • switch disconnector Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • adety switch Yes • maintenance/repair switch Yes Product details Yes product feature / can be locked into OFF position Yes accessories Image: Connectable NC contacts / for auxiliary contacts / attachable / maximum No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 4 number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA elet-through current / with line-side fuse / maximum 50 kA elet-through current / with line-side fuse / maximum 15 kA elet-through current / with closed switch 15 kA el 440 V / for combination switch + gG fuse / maximum 15 kA el 440 V / fo	Suitability	
 switch disconnector EMERGENCY OFF switch safety switch realintenance/repair switch Yes realintenance/repair switch Yes Product details product details product stemsion / optional motor drive No onotor drive number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable COs contacts / for auxiliary contacts / attachable / maximum number of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection et 490 V / by gG fuse / rated value 50 kA let-through current / with closed switch et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et at 440 V / for combination switch + gG fuse / maximum et at 440 V / for combination switch + gG fuse / maximum et at 440 V / for combination switch + gG	suitability for use	
• EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes Product details product feature / can be locked into OFF position Yes accessories accessories product extension / optional No • motor drive No • outlage trigger No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 4 number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 185 kA2.s	main switch	Yes
 safety switch Yes maintenance/repair switch Yes Product details product feature / can be locked into OFF position Yes accessories product extension / optional motor drive No voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum nasp thickness / of the bracket locks 6 mm Short circuit conditional short-circuit current / with line-side fuse protection et 480 V / by gG fuse / rated value 50 kA et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse / maximum et 440 V / for combination switch + gG fuse	 switch disconnector 	Yes
maintenance/repair switch Yes Product details product feature / can be locked into OFF position Yes accessories product extension / optional motor drive voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum subtributed locks / maximum conditional short-circuit current / with line-side fuse protection e at 690 V / by gG fuse / rated value for kall iet-through current / with closed switch e at 240 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e at 440 V / for combination switch + gG fuse / maximum e	 EMERGENCY OFF switch 	Yes
Product details product feature / can be locked into OFF position Yes accessories product extension / optional No • motor drive No • voltage trigger No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 2 number of connectable CO contacts / for auxiliary contacts 4 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA let-through current / with line-side fuse protection 50 kA e at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 15 kA maximum 15 kA maximum 15 kA e at 440 V / for combination switch + gG fuse / maximum 15 kA e at 420 V / for combination switch + gG fuse / maximum 15 kA e at 420 V / for combination switch + gG fuse / maximum 15 kA e at 420 V / for combination switch + gG fuse / maximum 15 kA e at 420 V / for combination switch + gG fuse / maximum 15 kA e	 safety switch 	Yes
product feature / can be locked into OFF position Yes accessories product extension / optional No • motor drive No No • number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 2 number of connectable NC contacts / for auxiliary contacts 4 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA let-through current / with line-side fuse protection 50 kA iet-through current / with closed switch 15 kA • at 420 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 185 kA2.s maximum • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s <td></td> <td></td>		
accessories product extension / optional • motor drive No • voltage trigger No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 4 number of connectable NO contacts / for auxiliary contacts 4 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA let-through current / with line-side fuse protection 50 kA let-through current / with closed switch 4 • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum permissible 15 kA I2t value / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 185 kA2.s l2t value / with closed switch		Yes
product extension / optional No • motor drive No • voltage trigger No number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 2 number of connectable NO contacts / for auxiliary contacts 4 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA Iet-through current / with line-side fuse protection 50 kA iet-through current / with closed switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details	
motor drive voltage trigger No voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum at hasp thickness / of the bracket locks sonot circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 640 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination sw	Product details	
• voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum 2 number of connectable NO contacts / for auxiliary contacts / attachable / maximum 4 number of connectable CO contacts / for auxiliary contacts / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts / attachable / maximum 0 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA eat 690 V / by gG fuse / rated value 50 kA let-through current / with line-side fuse protection 50 kA eat 690 V / by GG fuse / rated value 50 kA let-through current / with closed switch 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 185 kA2.s iat 440 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position	
number of connectable NC contacts / for auxiliary contacts 2 / attachable / maximum 4 number of connectable NO contacts / for auxiliary contacts 4 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA conditional short-circuit current / with line-side fuse protection 50 kA e at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 185 kA2.s i at 240 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional	
/ attachable / maximum 4 number of connectable NO contacts / for auxiliary contacts / attachable / maximum 4 number of connectable CO contacts / for auxiliary contacts / attachable / maximum 0 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA conditional short-circuit current / with line-side fuse protection 50 kA let-through current / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 420 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 185 kA2.s lzt value / with closed switch 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive	Yes
/ attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts / attachable / maximum 0 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit 50 kA conditional short-circuit current / with line-side fuse protection 50 kA etat 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum permissible 15 kA I2t value / with closed switch 185 kA2.s • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger	Yes No No
/ attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 50 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum permissible 15 kA l2t value / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA i at 240 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA i at 240 V / for combination switch + gG fuse / maximum 185 kA2.s i at 240 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional	Yes No No 2
hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 50 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional	Yes No No 2 4
Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 50 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum permissible 15 kA l2t value / with closed switch 185 kA2.s • at 440 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional	Yes No No 2 4 0
conditional short-circuit current / with line-side fuse protection 50 kA • at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum permissible 15 kA I2t value / with closed switch 185 kA2.s maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum	Yes No No 2 4 0 3
protection50 kA• at 690 V / by gG fuse / rated value50 kAlet-through current / with closed switch50 kA• at 240 V / for combination switch + gG fuse / maximum15 kA• at 440 V / for combination switch + gG fuse / maximum15 kA• at 690 V / for combination switch + gG fuse / maximum permissible15 kAI2t value / with closed switch15 kA• at 240 V / for combination switch + gG fuse / maximum permissible185 kA2.s· at 440 V / for combination switch + gG fuse / maximum185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum	Yes No No 2 4 0 3
let-through current / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 15 kA • at 440 V / for combination switch + gG fuse / maximum 15 kA • at 690 V / for combination switch + gG fuse / maximum permissible 15 kA I2t value / with closed switch 15 kA • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s • at 440 V / for combination switch + gG fuse / maximum 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit	Yes No No 2 4 0 3
 at 240 V / for combination switch + gG fuse / 15 kA at 440 V / for combination switch + gG fuse / 15 kA at 690 V / for combination switch + gG fuse / 15 kA at 690 V / for combination switch + gG fuse / 15 kA i2t value / with closed switch at 240 V / for combination switch + gG fuse / 185 kA2.s i at 440 V / for combination switch + gG fuse / 185 kA2.s 	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse	Yes No No 2 4 0 3
 at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / 15 kA at 690 V / for combination switch + gG fuse / 15 kA 12t value / with closed switch at 240 V / for combination switch + gG fuse / 185 kA2.s at 440 V / for combination switch + gG fuse / 185 kA2.s 	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value	Yes No No 2 4 0 3 4 6 mm
maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s • at 440 V / for combination switch + gG fuse / 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse /	Yes No No 2 4 0 3 4 6 mm
I2t value / with closed switch I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 185 kA2.s • at 440 V / for combination switch + gG fuse / 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse /	Yes No No 2 4 0 3 4 6 mm 50 kA 15 kA
at 440 V / for combination switch + gG fuse / 185 kA2.s	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / by for combination switch + gG fuse / maximum	Yes No No 2 4 0 3 4 6 mm 50 kA 15 kA 15 kA
	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum	Yes No No 2 4 0 3 4 6 mm 50 kA 15 kA 15 kA
	Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum	Yes No No 2 4 0 3 4 6 mm 50 kA 15 kA 15 kA

 at 690 V / for combination switch + gG fuse / maximum 	185 kA2.s	
design of the fuse link		
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 160 A	
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A	
operational current / of upstream fuse / rated value	160 A	
according UL		
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	180 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	75	
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	50	
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	10 kA	
continuous current / of upstream fuse / according to UL / rated value	200 A	
type of fuse / according to UL	RK5	
Connections		
AWG number / as coded connectable conductor cross		
section / solid		
minimum	1	
type of connectable conductor cross-sections / for copper conductor	4 (4.0	
• solid	1x (16185mm ²)	
 finely stranded / with core end processing 	1x (16150mm ²)	
• stranded	1x (16185mm²)	
type of connectable conductor cross-sections / for auxiliary contacts		
• solid	2x (0.75 2.5 mm ²), 1x 4 mm ²	
 finely stranded / with core end processing 	2x (0.75 1.5 mm ²), 1x 2.5 mm ²	
stranded	2x (0.75 2.5 mm²), 1x 4 mm²	
type of electrical connection	h evidence in al	
for main current circuit	box terminal	
for auxiliary contacts	connection terminals	
Mechanical Design	100	
height	169 mm	
width	112 mm	
depth	94 mm	
type of device	fixed mounting	
fastening method	Built-in unit fixed-mounted version	
fastening method	No	
 4-hole front mounting front mounting with central attachment 	No No	
-	No	
rail mounting net weight	2 048 g	
Environmental conditions	2 070 g	
ambient temperature / during operation minimum 	-25 °C	
• maximum	-25 °C 55 °C	
ambient temperature / during storage		
minimum	-25 °C	
• maximum	55 °C	
		Declaration of
General Product Approval		Conformity

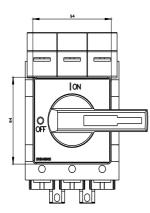
SP CM	<u>Confirmation</u>	CCC CCC		EHC	CE EG-Konf.
Declaration of Conformity	Test Certificates		other		
UK	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	Environmental Con- firmations	<u>Miscellaneous</u>	

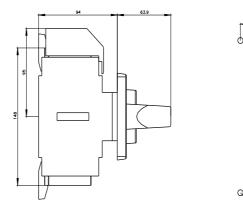
Further information

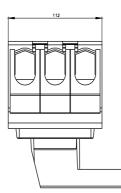
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http://www.siemens.com/specifications







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