SIEMENS

Data sheet 3LD2144-1TL51



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, floor mounting with door coupling, rotary operating mechanism, black, central mounting 22.5 mm of the handle

Model		
product brand name	SENTRON	
product designation	3LD Switch disconnector	
design of the product	Main 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, black	
type of the driving mechanism / motor drive	No	
General technical data		
number of poles	4	
type of device	fixed mounting	
type of switch	Floor mounting with door coupling	
size of switch disconnector	2	
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	4 kA2.s	
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 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 	1.1 W	
 per conductor / typical 	1 W	
Current		
operational current		
 at 40 °C / rated value 	25 A	
 at 45 °C / rated value 	25 A	
 at 50 °C / rated value 	25 A	
 at 55 °C / rated value 	25 A	

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e al AC-21 Al 580 V / rated value 25 A e at AC-21 A / at 440 V / rated value 25 A operational current / or upstream fuse / rated value 25 A each AC-21 A / at 440 V / rated value 25 A operational current / or upstream fuse / rated value 25 A operational current / or upstream fuse / rated value 25 A operational current / or upstream fuse / rated value 25 A operation of the current / or upstream fuse / rated value 35 kW operating power operating power operating power operating power operating power operating power operating power operating operating operating operating op	at AC / rated value	25 A
** at AC-21 A/ at 440 V / rated value 25 A operational current / of upstream luse / rated value 25 A perational current / of upstream luse / rated value 25 A let through current / with closed switch ** at 440 V / for combination switch + gG fuse / maximum ** at 690 V / for combination switch + gG fuse / maximum permissible ** At AC-23 A / at 240 V / rated value 5 kW ** at AC-23 A / at 240 V / rated value 10 kW ** at AC-23 A / at 400 V / rated value 10 kW ** at AC-23 A / at 400 V / rated value 10 kW ** at AC-23 A / at 400 V / rated value 10 kW ** at AC-23 A / at 400 V / rated value 10 kW ** at AC-23 A / at 400 V / rated value 25 kW ** at AC-23 A / at 400 V / rated value 36 kW ** at AC-31 at 240 V / rated value 48 kW ** at AC-31 at 260 V / rated value 7.5 kW ** at AC-31 at 680 V / rated value 36 kW ** at AC-31 at 680 V / rated value 37.5 kW ** operational current / rated value 25 A ** Auxiliary circuit 30 kW ** operational current / rated value 30 kW ** operations operation / operation / value / value 30 kW ** operations operation / operation / value / value 30 kW ** operations operation / value / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operation / value / value 30 kW ** operations operations / value / value 30 kW ** operations / value / value 30 kW ** operations / value / value		
e at AC-21 A / at 440 V / rated value set-through current / vith classed switch at 440 V / for combination switch + gG fuse / at 440 V / for combination switch + gG fuse / at 440 V / for combination switch + gG fuse / at 440 V / for combination switch + gG fuse / at 440 V / for combination switch + gG fuse / at 440 V / for combination switch + gG fuse / at AC-23 A / at 240 V / rated value 10 kW at AC-23 A / at 240 V / rated value 10 kW at AC-23 A / at 440 V / rated value 9.5 kW at AC-23 A / at 440 V / rated value 4 kW at AC-23 A / at 440 V / rated value 5 kW at AC-23 A / at 450 V / rated value 5 kW at AC-31 at 400 V / rated value 5 kW at AC-31 at 400 V / rated value 7.5 kW oerational current / rated value 7.5 kW oerational connector 7.5 kW 7.5 kW oerational connector 7.5 kW		
Let-through current / with closed switch Let-through current / with closed switch St. No.		
let through current / with closed switch + a 44 M / V for combination switch + gG fuse / a 44 M / V for combination switch + gG fuse / a 46 M / V for combination switch + gG fuse / a 46 M / V for combination switch + gG fuse / a 46 M / M / M / M / M / M / M / M / M / M		
a tit 440 V / for combination switch + gG fuse / maximum a tit 690 V / for combination switch + gG fuse / maximum permissible Main circuit operating power a th AC-23 N at 240 V / rated value at AC-23 N at 1400 V / rated value 10 kW at AC-23 N at 1400 V / rated value 10 kW at AC-23 N at 1400 V / rated value 10 kW at AC-23 N at 240 V / rated value 10 kW at AC-31 At 240 V / rated value 4 kW at AC-31 At 240 V / rated value 5 kW at AC-31 at 690 V / rated value 5 kW at AC-31 at 690 V / rated value 5 kW at AC-31 at 690 V / rated value 7.5 kW operational current / rated value 5 A Auxiliary circuit number of CO contacts / for auxiliary contacts 0 continuous current / of the suxiliary contacts 0 rumber of NO contacts / for auxiliary contacts 0 continuous current / of the suxiliary contacts 0 rumber of NO contacts / for auxiliary contacts 0 continuous current / of the suxiliary contacts 10 0 V continuous current / of the suxiliary contact / rated value 10 A continuous current / of the suxiliary contact / rated value 10 A continuous current / of the suxiliary contact / rated value 10 A continuous current / of the suxiliary switch / rated value 10 A continuous current / of the suxiliary switch / rated value 10 A continuous current / of the suxiliary switch / rated value 10 A continuous current / of the suxiliary switch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10 A continuous current / witch / rated value 10	·	25 A
maximum at 880 V / for combination switch + gG fuse / maximum permissible Main circuit operating power at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value by 5 kW at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value by 5 kW at AC-23 A / at 40 V / rated value at AC-34 A / at 90 V / rated value by 6 kW at AC-37 A / at 90 V / rated value at AC-37 A / at 90 V / rated value by 6 kW at AC-37 A / at 90 V / rated value by 6 kW at AC-37 A / at 90 V / rated value by 7.5 kW coperational current / rated value continues of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of NC contacts n		0.51.4
### ### #### #########################		3.5 KA
maximum permissible Main circuit operating power at AC-23 A 1 at 240 V / rated value at AC-23 A 1 at 440 V / rated value at AC-23 A 1 at 440 V / rated value at AC-23 A 1 at 400 V / rated value at AC-33 A 1 at 90 V / rated value at AC-3 I at 240 V / rated value at AC-3 I at 240 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value at AC-3 I at 250 V / rated value poperational current / rated value at Acciliary contacts number of CC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts poperating voltage / of the auxiliary contacts / rated value subtability for use a main switch yes a main switch yes a safety switch yes Appearance color / of the actuating element black Product datails product feature a can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum a mount of tive a contact of tive block a coording but 550 kA coording but 10 580 kA coording but 58 kA		4 kA
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-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value 25 A Avxillary critical value Avxillary critical value coperational current / rated value Avxillary critical value coperating voltage / of auxiliary contacts number of NC contacts / for auxiliary contacts operating value / for auxiliary contacts / at AC / auxiliary yealth / auxiliary contacts / at AC / auxiliary yealth / auxiliary contacts / at AC / auxiliary yealth / auxiliary contacts / at AC / auxiliary yealth / auxiliary contacts / at AC / auxiliary contacts yes emain switch yes emain switch yes emaintenance/repair switch yes emaintenance/repair switch yes Appearance color / of the actualing element black Product details product feature e can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum a motor drive ocitical forms / auxiliary contacts / auxiliary contacts onditional short-cricuit current / with line-side fuse product extension / aptical fuse /		
at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value but 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 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value At AC-3 / at 400 V / rated value but AC-3 / at 400 V / rated value At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL At AC-3 / at 400 V / according to UL	Main circuit	
at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value 9 5 kW at AC-23 A / at 500 V / rated value 10 kW at AC-3 / at 240 V / rated value 4 kW 3t AC-3 / at 260 V / rated value 8 kW at AC-3 / at 260 V / rated value 7.5 kW operational current / rated value 25 A Auxiliary circuit number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 10 operating voltage / of auxiliary contacts 10 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact of at AC / maximum suitability for use 1 main switch 2 switch disconnector 2 main switch 3 switch disconnector 4 EMERGENCY OFF switch 5 main switch 5 main switch 7 yes 1 main switch 7 yes 1 main switch 9 main switch 1 yes 1 main switch 2 main switch 2 main switch 3 main switch 2 main switch 3 main switch 2 main switch 3 main switch 3 main switch 4 main switch 4 main switch 5 main switch 5 main switch 6 main switch 7 yes 1 main switch 7 yes 1 main switch 9 main switch 1 yes 1 main switch 2 yes 2 main switch 3 main switch 1 yes 2 main switch 3 main switch 1 yes 1 main switch 2 yes 3 main switch 3 main switch 3 main switch 4 mm 1 main switch 1 main switch 1 yes 1 main switch 2 main switch 3 main switch 3 main switch 4 mm 1 main switch 1 main switch 1 main switch 1 main switch 2 main switch 3 main switch 2 main switch 3 mai	operating power	
at AC-23 A / at 440 V / rated value at AC-23 A / at 590 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 690 V / rated value 25 A Auxiliary circuit rumber of CO contacts / for auxiliary contacts operational current / rated value 25 A Auxiliary circuit rumber of CO contacts / for auxiliary contacts operating voltage / of the auxiliary contact / rated value sourcent / of the auxiliary switch / rated value for auxiliary switch / rated value suitability suitability suitability suitability suitability suitability suitability for use a main switch a safety switch b Safety switch b Safety switch c maintenance/repair switch Appearance color / of the actualing element Product details Product details product feature a can be locked into OFF position number of bracket locks / maximum a hasp thickness / of the bracket locks / minimum a hasp thickness / of the bracket locks / minimum a hasp thickness / of the bracket locks / minimum a hasp thickness / of the bracket locks / minimum a hasp thickness / of the bracket locks / maximum continual for the control of the control		5 kW
at AC-23 A / at 680 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 490 V / rated value at AC-3 / at 490 V / rated value at AC-3 / at 690 V / rated value 7.5 kW operational current / rated value 25 A Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability Suitability for use auxiliary switch / rated value auxiliary switch / rated value EMERGENCY OFF switch auxiliary switch / yes after y switch / yes after y switch / yes and acutating element Product datalis product feature calor / of the acutating element Product datalis product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum nand product extension / optional number of bracket locks / maximum and product extension / optional number of the control of the acutating element Product datalis product feature can be locked into OFF position number of bracket locks / maximum shasp thickness / of the bracket locks / minimum nand product extension / optional number of bracket locks / for aximum and product extension / optional number of the control current / with line-side fuse protection at 680 V / by gG fuse / rated value seconding UL operating voltage / at AC / at 480 V / according to UL 580 UL 60947-41 / rated value active power [hp] / at AC / at 480 V / according to UL 580 UL 60947-41 / rated value active power [hp] / at AC / at 480 V / according to UL 580 UL 60947-41 / rated value active power [hp] / at AC / at 480 V / according to UL 580 UL 60947-41 / rated value	at AC-23 A / at 400 V / rated value	10 kW
at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 7.5 kW operational current / rated value 25 A Auxiliary circuit number of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 operating voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary contact / rated value 500 V Sultability sultability or use a main switch switch disconnector b MERGENCY OFF switch c safety switch c maintenance/repair switch Appoarance color / of the actuating element c can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum a more of voltage / rated value son of the actuation short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value solved operating voltage / at AC / at 50/60 Hz / 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	at AC-23 A / at 440 V / rated value	9.5 kW
at AC-3 / at 490 V / rated value 7.5 kW operational current / rated value 7.5 kW operational current / rated value 25 A Auxiliary circuit 25 A number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 10 operating voltage / of auxiliary contacts 20 operating voltage / of auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Sultability for use	at AC-23 A / at 690 V / rated value	10 kW
operational current / rated value 25 A Abxillary circuit number of CO contacts / for auxillary contacts number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability for use • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes * maintenance/repair switch Yes Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum * monor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value active power [hp] / at AC / at 6000 N / 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 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value	at AC-3 / at 240 V / rated value	4 kW
operational current / rated value 25 A Abxillary circuit number of CO contacts / for auxillary contacts number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability for use • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes * maintenance/repair switch Yes Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum * monor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value active power [hp] / at AC / at 6000 N / 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 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value	• at AC-3 / at 400 V / rated value	8 kW
operational current / rated value 25 A Auxiliary circuit number of CC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / A C / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use • main switch Yes • main switch Yes • safety switch No • safety switch Yes • mainenance/repair switch Yes Product details product details product details product details product details product seket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 9 morture details on mort or drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 1690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 N / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL 508/UL 60947-4-1 / rated value active power [np] / at AC / at 6000 V / according to UL		
Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at 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 for use • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • maintenance/repair switch Product details Product details Product details Product details Product details Product steaso number of bracket locks / maximum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage rigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 Y / by gG fuse / rated value according UL operating voltage / at AC / at 50/60 Hz / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value active power [np] / at AC / at 68/0 V / according to UL 50/8/UL 60/947-4-1 / rated value		
number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts operating voltage / of auxiliary contacts / rated value insulation voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value Sout voltage / of the auxiliary switch / rated value Suitability suitability suitability suitability or use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • safety switch • maintenance/repair switch Appearance color / of the actuating element Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum • hasp thickness / of the bracket locks / maximum 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 server and short of the details protection of the details protection of the conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value server and short circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value server and short circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value server and short circuit 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value	·	
number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 10 continuous current / of the auxiliary contact / rated value insulation voltage of of the auxiliary contact / rated value insulation voltage / of whe auxiliary switch / rated value 500 V Suitability Suitability suitability or use • main switch		0
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum foothinuous current / of the auxiliary contacts / at AC / maximum foothinuous current / of the auxiliary switch / rated value finsulation voltage / of the auxiliary switch / rated value Suitability suitability for use	<u> </u>	
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value suitability suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • main switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • respectively • can be locked into OFF position • ansp thickness / of the bracket locks / maximum • masp thickness / of the bracket locks / minimum • masp thickness / of the bracket locks / maximum • motor drive • voltage trigger • No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 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		
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Suitability suitability or use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum 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 according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value according voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 60/60 V / according to UL 508/UL 60947-4-1 / rated value		
insulation voltage / of the auxiliary switch / rated value Suitability suitability for use • main switch • switch disconnector • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch * maintenance/repair switch * maintenance/repair switch * product feature • can be locked into OFF position number of bracket locks / maximum * hasp thickness / of the bracket locks / minimum * hasp thickness / of the bracket locks / maximum * 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 active power [hp] / at AC / at 50/60 Hz / 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value		
Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch Product details product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 450/60 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 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 50/60 Hz / 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		
suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch Product details product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 active power [hp] / 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 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		000 V
main switch switch disconnector EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Yes Appearance color / of the actuating element Product feature ocan be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum product extension / optional ocan be locked into OFF position No hasp thickness / of the bracket locks / maximum small product extension / optional ocan be locked into OFF position No lost of the bracket locks / maximum small product extension / optional ocan be locked into OFF position No lost of the bracket locks / maximum small product extension / optional ocal pr		
Switch disconnector EMERGENCY OFF switch Safety switch maintenance/repair switch Product details product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum masp thickness / of the bracket locks / maximum 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 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 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 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 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 short-lime withstand current (SCCR) / at 600 V / according to UL short-lime withstand current (SCCR) / at 600 V / according to UL short-lime withstand current (SCCR) / at 600 V / according to UL short-lime withstand current (SCCR) / at 600 V / according to UL	•	Voc
EMERGENCY OFF switch safety switch smintenance/repair switch Yes Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum 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 operating voltage / at AC / at 50/60 Hz / 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-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-line withstand current (SCCR) / at 600 V / according to UL		
* safety switch * Yes * maintenance/repair switch Yes Appearance color / of the actuating element black 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 / maximum product extension / optional * 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 / at coording 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 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		
maintenance/repair switch Appearance color / of the actuating element black Product details product details product details product feature		
Appearance color / of the actuating element black 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 / maximum 8 mm product extension / optional • 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 active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 4600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	 EMERGENCY OFF switch 	No
color / of the actuating element Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 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 short-time withstand current (SCCR) / at 600 V / according 5 kA	EMERGENCY OFF switchsafety switch	No Yes
Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL 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 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	EMERGENCY OFF switchsafety switchmaintenance/repair switch	No Yes
product feature	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	No Yes Yes
• can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 soperational current / at AC / according to UL 508/UL 69947-4-1 / 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 short-time withstand current (SCCR) / at 600 V / according 5 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element	No Yes Yes
number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional 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 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 short-time withstand current (SCCR) / at 600 V / according 5 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details 	No Yes Yes
hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional 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 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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature	No Yes Yes black
hasp thickness / of the bracket locks / maximum product extension / optional • 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 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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position	No Yes Yes black
product extension / optional • 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 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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum	No Yes Yes Yes black Yes 3
motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value 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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum	No Yes Yes black Yes 3 4 mm
● 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 / 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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum	No Yes Yes black Yes 3 4 mm
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum product extension / optional	No Yes Yes black Yes 3 4 mm 8 mm
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive	No Yes Yes black Yes 3 4 mm 8 mm
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 short-time withstand current (SCCR) / at 600 V / according 5 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive	No Yes Yes black Yes 3 4 mm 8 mm
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger	No Yes Yes black Yes 3 4 mm 8 mm
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse	No Yes Yes black Yes 3 4 mm 8 mm
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection	No Yes Yes black Yes 3 4 mm 8 mm No No
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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	No Yes Yes black Yes 3 4 mm 8 mm No No
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 short-time withstand current (SCCR) / at 600 V / according 5 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 according UL operational current / at AC / according to UL 508/UL	No Yes Yes black Yes 3 4 mm 8 mm No No
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	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 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	No Yes Yes black Yes 3 4 mm 8 mm No No No
	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 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	No Yes Yes black Yes 3 4 mm 8 mm No No No
	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 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 according UL 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	No Yes Yes black Yes 3 4 mm 8 mm No No No 10

continuous current / of upstream fuse / according to UL / rated value	50 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	3
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	8
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (1,516mm²)
 finely stranded / with core end processing 	1x (1,510mm²)
stranded	1x (1,516mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 \dots 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 \dots 2,5mm²)
• finely stranded / with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 \dots 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 \dots 2,5mm²)
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: 25 A
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
Mechanical Design	
height	83 mm
height width	83 mm 67 mm
width	67 mm
width depth	67 mm 451.5 mm
width depth fastening method	67 mm 451.5 mm
width depth fastening method fastening method	67 mm 451.5 mm Built-in unit fixed-mounted version
width depth fastening method fastening method • 4-hole front mounting	67 mm 451.5 mm Built-in unit fixed-mounted version
width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment	67 mm 451.5 mm Built-in unit fixed-mounted version No Yes
width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting	67 mm 451.5 mm Built-in unit fixed-mounted version No Yes Yes
width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight	67 mm 451.5 mm Built-in unit fixed-mounted version No Yes Yes
width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions	67 mm 451.5 mm Built-in unit fixed-mounted version No Yes Yes
width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature / during operation	67 mm 451.5 mm Built-in unit fixed-mounted version No Yes Yes 445 g
width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature / during operation • minimum	67 mm 451.5 mm Built-in unit fixed-mounted version No Yes Yes 445 g





Confirmation





Miscellaneous







Special Test Certificate





Marine / Shipping

other



Miscellaneous

Environmental Confirmations

Further information

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

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2144-1TL51}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD2144-1TL51

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2144-1TL51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

