## SIEMENS

## Data sheet

## 3LD2017-1TL13



SENTRON, switch disconnector 3LD, EMERGENCY OFF switch, 4-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, floor mounting with door coupling, defeatable knob-operated mechanism, red/yellow, 4-hole mounting of the handle

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

		10.1
	at AC / rated value	16 A
operational current / of upstream tise / rand value         20 A           let-through current / with closed switch         20 A           let-through current / with closed switch         3 kA           maximum permissible         3 kA           operating power         3 kA           operating power         4 kW           et AC-23 A/ at 240 V / rated value         4 kW           et AC-23 A/ at 240 V / rated value         8 kW           et AC-23 A/ at 240 V / rated value         8 kW           et AC-23 A/ at 240 V / rated value         8 kW           et AC-23 A/ at 240 V / rated value         8 kW           et AC-23 A/ at 480 V / rated value         8 kW           et AC-23 A/ at 480 V / rated value         6 kW           et AC-23 A/ at 680 V / rated value         6 kW           et AC-23 rat 680 V / rated value         16 A           Auxiliary contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           insultatility for use         Yes           • switch doctacts / for auxiliary contacts         0           insultatility for use         Yes           • switch doctacts / for auxiliary contacts         0           <		
lethrough current / whit closed welch       3 &A         • at 460 // for combination switch + gG fuse / resimum       3 &A         • at 660 // for combination switch + gG fuse / resimum       3 &A         • at AC23 Ar at 200 // for combination switch + gG fuse / resimum       3 &A         • at AC23 Ar at 200 // rated value       4 &W         • at AC23 Ar at 400 // rated value       7 &W         • at AC23 Ar at 400 // rated value       7 &W         • at AC23 Ar at 400 // rated value       8 &W         • at AC23 Ar at 200 // rated value       8 &W         • at AC23 Ar at 200 // rated value       8 &W         • at AC23 Ar at 200 // rated value       8 &W         • at AC23 / at 200 // rated value       8 &W         • at AC3 / at 200 // rated value       9 &A         • at AC3 / at 200 // rated value       10 &A         //walling vectoriat       0         number of Co conteals / for auxiliary contacts       0         number of Co conteals / for auxiliary contacts       0 A         insultion victog / of auxiliary contact / rated value       0 A         insultion victog / of auxiliary contact / rated value       0 A         insultion victog / of auxiliary contact / rated value       0 A         insultion victog / of auxiliary contact / rated value       0 A         •		
		20 A
maximum       a GG 20 / for combination switch + gG fuse /       3 kA         maximum permissible       Annotation       Annotation         Main Creat       a AO-23 A / at 40 V / rated value       4 kW         • at AO-23 A / at 40 V / rated value       4 kW       • at AO-23 A / at 40 V / rated value         • at AC-23 A / at 40 V / rated value       8 kW       • at AC-33 A / at 40 V / rated value       8 kW         • at AC-33 A / at 40 V / rated value       8 kW       • at AC-37 / at 40 V / rated value       8 kW         • at AC-37 / at 400 V / rated value       6 kW       • at AC-37 / at 400 V / rated value       6 kW         • at AC-37 / at 400 V / rated value       6 kW       • at AC-37 / at 400 V / rated value       6 kW         • at AC-37 / at 600 V / rated value       0       -       -         operational current / rated value       0       -       -         number of NC contacts / at auxiliary contacts       0       -       -         operation valueg / of unuilary contacts / at auxiliary contacts       0 O       -       -         switch disconnector       Yes       -       -       -       -         switch disconnector       Yes       -       -       -       -       -       -       -       -       -       -       <	-	
• at 600 // for combination switch + gG fuse / maximum permissible     3 kA       Main circuit     •       operating power     •       • at AC-23 A / at 240 // rated value     4 kW       • at AC-23 A / at 240 // rated value     8 kW       • at AC-23 A / at 400 // rated value     8 kW       • at AC-23 A / at 400 // rated value     8 kW       • at AC-23 A / at 400 // rated value     8 kW       • at AC-33 / at 400 // rated value     5 kW       • at AC-37 / at 400 // rated value     5 kW       • at AC-37 / at 600 // rated value     5 kW       • at AC-37 / at 600 // rated value     5 kW       • at AC-37 / at 600 // rated value     5 kW       • at AC-37 / at 600 // rated value     6 kW       • at AC-37 / at 600 // rated value     10 A       number of NC contacts / for auxiliary contacts     0       number of NC contacts / for auxiliary contacts     0       operating value / for auxiliary contacts     00 V       cottinuous current / of the auxiliary contacts     00 V       cottinuous current / of the auxiliary contacts     00 V       suitability for use     •       • main switch     Yes       • safely switch     Yes       • adfely switch     Yes       • adfely switch     Yes       • maintennexerepais witch     Yes <tr< td=""><td></td><td>3 KA</td></tr<>		3 KA
maximum permissible       Main circuit       operating power       • at AC-23 A / at 240 V / rated value       • at AC-23 A / at 440 V / rated value       • at AC-23 A / at 440 V / rated value       • at AC-23 A / at 450 V / rated value       • at AC-23 A / at 400 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value       • at AC-3 / at 260 V / rated value		3 kA
operating power <ul> <li>at AC-23 A / at 240 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-32 A / rated V / rated value</li> <li>at AC-32 / at 2400 V / rated value</li> <li>at AC-3 / at 260 V / rated value</li> <li>at AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>contacts / for auxiliary contacts</li> <li>0</li> <li>number of NC contacts / for auxiliary contacts</li> <li>0</li> <li>contacts / for auxiliary contacts</li> <li>0</li> <li>contacts / for auxiliary contacts</li> <li>0 A</li> <li>contacts</li> <li>contacts / at 400 V / rated value</li> <li>subability for use</li> <li>e safety switch</li> <li>Yes</li> <li>conte / for auxict value</li> <li>conte / for auxiliary contact</li></ul>		
operating power <ul> <li>at AC-23 A / at 240 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-32 A / rated V / rated value</li> <li>at AC-32 / at 2400 V / rated value</li> <li>at AC-3 / at 260 V / rated value</li> <li>at AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>contacts / for auxiliary contacts</li> <li>0</li> <li>number of NC contacts / for auxiliary contacts</li> <li>0</li> <li>contacts / for auxiliary contacts</li> <li>0</li> <li>contacts / for auxiliary contacts</li> <li>0 A</li> <li>contacts</li> <li>contacts / at 400 V / rated value</li> <li>subability for use</li> <li>e safety switch</li> <li>Yes</li> <li>conte / for auxict value</li> <li>conte / for auxiliary contact</li></ul>	Main circuit	
• a1 AC-23 A / at 240 V / rated value       4 kW         • a1 AC-23 A / at 400 V / rated value       8 kW         • a1 AC-23 A / at 400 V / rated value       75 kW         • a1 AC-23 / a1 240 V / rated value       8 kW         • a1 AC-3 / a1 400 V / rated value       8 kW         • a1 AC-3 / a1 400 V / rated value       6 kW         • a1 AC-3 / a1 400 V / rated value       6 kW         • a1 AC-3 / a1 400 V / rated value       5 kW         • a1 AC-3 / a1 400 V / rated value       5 kW         • a1 AC-3 / a1 400 V / rated value       5 kW         • a1 AC-3 / a1 400 V / rated value       6 kW         • a1 AC-3 / a1 400 V / rated value       5 kW         • a1 AC-3 / a1 400 V / rated value       6 kW         • a1 AC-3 / a1 400 V / rated value       6 kW         • and AC-3 / a1 400 V / rated value       0         • number of NC contacts / for auxiliary contacts       0         • number of NC contacts / for auxiliary contacts       0 N         Sultability       500 V		
		4 kW
• at AC-23 A / at 690 V / rated value         8 kW           • at AC-3 / at 240 V / rated value         3 kW           • at AC-3 / at 640 V / rated value         6 kW           • at AC-3 / at 640 V / rated value         5.5 kW           • operational current / rated value         16 A           Auxiliary contacts         0           number of CO contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           or poerating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         500 V           suitability         500 V		
• at AC-23 A / at 690 V / rated value         8 kW           • at AC-3 / at 240 V / rated value         3 kW           • at AC-3 / at 640 V / rated value         6 kW           • at AC-3 / at 640 V / rated value         5.5 kW           • operational current / rated value         16 A           Auxiliary contacts         0           number of CO contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           or poerating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         500 V           suitability         500 V		
• at AC-3 / at 240 V / rated value         3 kW           • at AC-3 / at 240 V / rated value         6 kW           • at AC-3 / at 690 V / rated value         5 kW           operational current / rated value         16 A           Auxiliary circuit         16 A           number of C0 contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           operating voltage / of auxiliary contacts         0           operating voltage / of the auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         500 V           suitability for use         0           • nain switch         Yes           • switch disconnector         Yes           • anian switch         Yes           • anian switch         Yes           • anian switch         Yes           • anian blocked into OFF position         Yes           • anaintenance/repair switch         Yes           • anaintenance/repair switch         Yes           Product feature         ond           • and blocked into OFF position         Yes           number of bracket locks / maximum         3           hasp thickness / of the bracket locks / maximum         6 mm		
• at AC-3 / at 690 V / rated value         5.5 kW           operational current / rated value         16 A           Avxiliary criteriti         0           number of NC contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           operating voltage / of auxiliary contacts         0           operating voltage / of auxiliary contacts / rate value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           suitability         suitability of           suitability of         500 V           suitability of use         •           • main switch         Yes           • switch disconnector         Yes           • safety switch         Yes           • afely switch         Yes           • afely switch         Yes           product feature         •           • and be locked into OFF position         Yes           number of bracket locks / maximum         3           hasp thickness / of the bracket locks / maximum         6 mm           product feature         Yes           • onal be locked locks / maximum         6 mm           • ording trigger         No           Short circuit         Sol kA <td></td> <td></td>		
operational current / rated value         16 A           Auxiliary circuit		
Auxillary circuit         Auxillary contacts         0           number of CO contacts / for auxillary contacts         0         0           number of NO contacts / for auxillary contacts         0         0           operating voltage / of auxillary contacts         0         0           continuous current / of the auxillary contacts         0         0           continuous current / of the auxillary contact         10 A         10 A           insulation voltage / of the auxillary switch / rated value         500 V         500 V           Suitability         500 V         500 V         500 V           Suitability for use         •         •         •         10 A           • safety switch         Yes         •         •         •           • enainterance/repair switch         Yes         •         •           Appearate         •         oach / of the actuating element         red           Product datails         •         ves         •         •           product feature         •         can be locked locks / maximum         3         •           •         •         namber of bracket locks / maximum         4 mm         •           •         •         operatext locks / maximum         5 mm		
number of CO contacts / for auxillary contacts         0           number of NC contacts / for auxillary contacts         0           operating voltage / of auxillary contacts         0           operating voltage / of auxillary contacts / at AC / maximum         500 V           continuous current / of the auxiliary switch / rated value         500 V           Suitability         500 V           color / of the actuating element         Yes           product feature         red           ocan be locked into OFF position		
number of NC contacts / for auxiliary contacts         0           operating voltage / of auxiliary contacts / AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           insulation voltage / of auxiliary switch / rated value         500 V           Suitability         suitability for use         10 A           • main switch         Yes           • suitability for use         Yes           • main switch         Yes           • and disconnector         Yes           • maintenance/repair switch         Yes           • anternance         Color / of the actualing element           Product feature         red           • and be locked into OFF position         Yes           number of bracket locks / maximum         3           nasp thickness / of the bracket locks / maximum         6 mm           product feature         No           • onal be locked into OFF position         Yes           number of bracket locks / maximum         6 mm           product extension / optional         6 mm           • onder drive         No           • onder drive         No           • oldinge frigger         No           Short circuit         600 V		0
number of NO contacts / for auxillary contacts         0           operating voltage / of auxillary contacts / at AC / maximum         500 V           continuous current / of the auxillary switch / rated value         10 A           insulation voltage / of the auxillary switch / rated value         500 V           Suitability         500 V           suitability for use         9           • main switch         Yes           • switch disconnector         Yes           • safety switch         Yes           • adity switch         Yes           • maintenance/repair switch         Yes           • of the actuating element         red           Product details         Yes           product details         Yes           product details         Yes           product details         Yes           number of bracket locks / maximum         3           hasp thickness / of the bracket locks / minimum         4 mm           hasp thickness / of the bracket locks / maximum         6 mm           product details         No           voltage trigger         No           Short circuit         50 kA           coorditional short-circuit current / with line-side fuse protection         6 mm           operating voltage / a		
operating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary switch / rated value         500 V           Suitability            suitability for use         Yes           • main switch         Yes           • switch disconnector         Yes           • safety switch         Yes           • safety switch         Yes           • main struct         Yes           • main struct         Yes           • safety switch         Yes           • main struct         Yes           • and instance/repair switch         Yes           • can be locked into OFF position         Yes           number of bracket locks / maximum         3           hasp thickness / of the bracket locks / minimum         4 mm           hasp thickness / of the bracket locks / maximum         6 mm           product feature         No           • otalage trigger         No           Short circuit         0           conditional short-circuit current / with line-side fuse protection         600 V           operating voltage / at AC / at 50/60 Hz / according to UL         50 kA           accordi		
continuous current / of the auxiliary contact / rated value     10 A       insulation voltage / of the auxiliary switch / rated value     500 V       Suitability     500 V       suitability for use     900 V       • main switch     Yes       • switch disconnector     Yes       • switch disconnector     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       • maintenance/repair switch     Yes       • color / of the actuating element     red       Product details     red       product feature     0 A mm       • can be locked into OFF position     Yes       • number of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     6 mm       product extension / optional     • notor drive       • voltage trigger     No       Short circuit     Conditional short-circuit current / with line-side fuse       oronditional short-circuit current / with line-side fuse     50 kA       according UL     600 V       operational current / at AC / according to UL     50 kA       according UL     7.5       coll L 600 V / by Qa fuse / rated value     7.5       solut L 600 V / at AC / at 600 V / according to UL     50 kA       active power (hp) / at AC / at 600 V / according to UL     50 kA		
Insulation voltage / of the auxiliary switch / rated value     500 V       Suitability     suitability or use       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       • color / of the actuating element     Yes       Product details     Product details       product details     Yes       • can be locked into OFF position     Yes       • number of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     6 mm       product detarein(or drive)     No       • voltage trigger     No       Short circuit     So kA       conditional short-circuit current / with line-side fuse protection     50 kA       according UL     600 V       coparing voltage / at AC / at 50/60 Hz / according to UL     50 kA       active power (hp) / at AC / at 60/0 Hz / according to UL     7.5       cos0UL 60947-4-1 / rated value     10       solut or withshad current (SCCR) / at 600 V / according to UL     50 KA		
Suitability         suitability         suitability for use         • main switch         • switch disconnector         Yes         • EMERGENCY OFF switch         Yes         • safety switch         Yes         • maintenance/repair switch         Yes         • maintenance/repair switch         Yes         color / of the actuating element         Product details         product details         product fature         • can be locked into OFF position         number of bracket locks / maximum         1 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         operating voltage / at AC / at 50/60 Hz / 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 50/00 V / according to UL         508/UL 60947-4-1 / rated value		
suitability for use     Yes       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • maintenance/repair switch     Yes       • maintenance/repair switch     Yes       Appearance     red       color / of the actuating element     red       Product details     product details       product details     mumber of bracket locks / maximum       1 hasp thickness / of the bracket locks / minimum     4 mm       1 hasp thickness / of the bracket locks / maximum     6 mm       product details     No       • outor drive     No       • voltage trigger     No       Short circuit     Conditional short-circuit current / with line-side fuse protection       • at 890 V / by gG fuse / rated value     50 kA       according UL     600 V       operational current / at AC / at coording to UL     600 V       508/UL 60947-4-1 / rated value     600 V       active power (hp) / at AC / at 480 V / according to UL     7.5       508/UL 60947-4-1 / rated value     7.5       active power (hp) / at AC / at 600 V / according to UL     504		500 V
<ul> <li>main switch</li> <li>switch disconnector</li> <li>switch disconnector</li> <li>EMERGENCY OFF switch</li> <li>Safety switch</li> <li>safety switch</li> <li>res</li> <li>maintenance/repair switch</li> <li>Yes</li> <li>Appearance</li> <li>color / of the actuating element</li> <li>red</li> <li>Product details</li> <li>product feature         <ul> <li>can be locked into OFF position</li> <li>Yes</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks / minimum</li> <li>frags thickness / of the bracket locks / maximum</li> <li>motor drive</li> <li>otor of orditional short-circuit current / with line-side fuse protection</li> <li>ot 680 V / by gG fuse / rated value</li> <li>50 kA</li> </ul> </li> <li>according UL</li> <li>operational current / at AC / according to UL 508/UL 60947-4-1 / rated value</li> <li>active power (hp) / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>sbort-1 / rated value</li> <li>active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>sbort-1 / rated value</li> <li>active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>sbort-1 / rated value</li> <li>active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>sbort-1 / rated value</li> <li>active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>sbort-1 / rated value</li> <li>sbort-1 / rated value</li></ul>		
switch disconnector Yes     EMERGENCY OFF switch Yes     safety switch Yes     safety switch Yes     maintenance/repair switch Yes     color / of the actuating element red     Product details     product feature         c can be locked into OFF position Yes         number of bracket locks / maximum 3         hasp thickness / of the bracket locks / maximum 6 mm     product extension / optional         e motor drive No         voltage trigger No     Short circuit     conditional short-circuit current / with line-side fuse     protection         e at 890 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 [hp] / at AC / at 480 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 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 KA	5	Voc
• EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       Appearance		
• safety switch         Yes           • maintenance/repair switch         Yes           Appearance         red           Product details         product details           product feature         • can be locked into OFF position         Yes           • number of bracket locks / maximum         3         hasp thickness / of the bracket locks / maximum         4 mm           hasp thickness / of the bracket locks / maximum         6 mm         product extension / optional           • motor drive         No         No           Short circuit         No         So kA           according UL         50 kA         according UL           operational current / at AC / according to UL 508/UL 600 V / according to UL 508/UL 600 V / 508/UL 600 V / 508/UL 600 V / according to UL 508/UL 600 V / 508/UL 600 V / according to UL 508/UL 600 V /		
Appearance         color / of the actuating element       red         Product details         product feature	-	
color / of the actuating element       red         Product details         product feature         • can be locked into OFF position       Yes         number of bracket locks / maximum       3         hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       6 mm         product extension / optional       • conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value       50 kA         according UL       operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       10         soBNUL 60947-4-1 / rated value       10         soBNUE 60947-4-1 / rated value       10	· ·	165
Product details         product feature         • can be locked into OFF position         number of bracket locks / maximum         asp thickness / of the bracket locks / minimum         hasp thickness / of the bracket locks / minimum         hasp thickness / of the bracket locks / maximum         function         hasp thickness / of the bracket locks / maximum         function         hasp thickness / of the bracket locks / maximum         function         hasp thickness / of the bracket locks / maximum         function         hasp thickness / of the bracket locks / maximum         function         hasp thickness / of the bracket locks / maximum         function         motor drive         world details         world details         world details         world details         world details         short-circuit         coronditional short-circuit current / with line-side fuse protection         world details         operational current / at AC / according to UL 508/UL         600 V         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         508/UL 60947-4-1 / rated value         s		and
product feature     Yes       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / minimum     4 mm       hasp thickness / of the bracket locks / maximum     6 mm       product extension / optional     6 mm       • motor drive     No       • voltage trigger     No       Short circuit     No       conditional short-circuit current / with line-side fuse protection     50 kA       according UL     50 kA       operational current / at AC / according to UL 508/UL 60947-4-1 / rated value     600 V       operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value     600 V       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value     7.5       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value     10       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value     10		led
• 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       6 mm         product extension / optional       6 mm         • woltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value       50 kA         according UL       600 V         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value       600 V         solk/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       10         short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value       5 kA		
number of bracket locks / maximum       3         hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       6 mm         product extension / optional       • motor drive         • 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       16 A         operational current / at AC / according to UL 508/UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 600 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       50 kA		N
hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       6 mm         product extension / optional       6 mm         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value         operational current / at AC / according to UL 508/UL       16 A         600 V       50 kA         according UL       600 V         operational current / at AC / according to UL 508/UL       16 A         600 V       508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       10         508/UL 60947-4-1 / rated value       10         short-time withstand current (SCCR) / at 600 V / according       5 kA	· · · · · · · · · · · · · · · · · · ·	
hasp thickness / of the bracket locks / maximum       6 mm         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value         operational current / at AC / according to UL 508/UL       16 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         short-time withstand current (SCCR) / at 600 V / according to UL       5 kA		
product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value       50 kA         according UL       operational current / at AC / according to UL 508/UL         operational current / at AC / according to UL 508/UL       16 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       5 kA		
• motor drive • voltage triggerNoShort circuitNoShort circuitShort circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value50 kAaccording UL 009erational current / at AC / according to UL 508/UL 60947-4-1 / rated value16 Aoperating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value600 Vactive power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value7.5active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value10short-time withstand current (SCCR) / at 600 V / according 5 kA5 kA	•	o mm
• voltage trigger       No         Short circuit		
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       16 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       50         \$08/UL 60947-4-1 / rated value       10		
conditional short-circuit current / with line-side fuse protection       50 kA         • at 690 V / by gG fuse / rated value       50 kA         according UL       50 kA         operational current / at AC / according to UL 508/UL       16 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 600 V / according to UL       508/UL 60947-4-1 / rated value         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		NO
protection       • at 690 V / by gG fuse / rated value       50 kA         according UL       operational current / at AC / according to UL 508/UL       16 A         60947-4-1 / rated value       16 A         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 600 V / according to UL       508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL       508/UL 60947-4-1 / rated value         short-time withstand current (SCCR) / at 600 V / according       5 kA		
according UL         operational current / at AC / according to UL 508/UL       16 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       5 kA		
operational current / at AC / according to UL 508/UL       16 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       5 kA	• at 690 V / by gG fuse / rated value	50 kA
60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       5 kA	according UL	
508/UL 60947-4-1 / rated value       7.5         active power [hp] / at AC / at 480 V / according to UL       7.5         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       10         508/UL 60947-4-1 / rated value       5 kA		16 A
508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       10         508/UL 60947-4-1 / rated value       508/UL 60947-4-1 / rated value         short-time withstand current (SCCR) / at 600 V / according       5 kA		600 V
508/UL 60947-4-1 / rated value         short-time withstand current (SCCR) / at 600 V / according         5 kA		7.5
		10
		5 kA

continuous current / of upstream fuse / according to UL / rated value	50 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts	2
/ 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	10
• minimum	18
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (16mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (14mm²)
stranded	1x (16mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary
• finely stranded / with core end processing	switch 1x (0,75 2,5mm <sup>2</sup> ) lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary
• stranded	switch 1x 2,5mm <sup>2</sup> lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary
tune of electrical connection	switch 1x (0,75 2,5mm <sup>2</sup> )
type of electrical connection	hav terminal
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Requirements	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 20 A
• for short circuit protection of the cuvilians switch /	fues at /aC: 10 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
required	75 mm
required Mechanical Design	
required Mechanical Design height	75 mm
required Mechanical Design height width	75 mm 67 mm
required Mechanical Design height width depth fastening method	75 mm 67 mm 385 mm
required Mechanical Design height width depth fastening method fastening method	75 mm 67 mm 385 mm
required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting	75 mm 67 mm 385 mm Built-in unit fixed-mounted version
required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes
required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes
required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No
required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes
required Mechanical Design height 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	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g
required Mechanical Design height 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	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g
required Mechanical Design height 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 • maximum	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g -25 °C 55 °C
required Mechanical Design height 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 • maximum ambient temperature / during storage / minimum	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g
required Mechanical Design height 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 • maximum	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g -25 °C 55 °C
required Mechanical Design height 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 • maximum ambient temperature / during storage / minimum	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g -25 °C 55 °C -25 °C
required Mechanical Design height 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 maximum ambient temperature / during storage / minimum General Product Approval	75 mm 67 mm 385 mm Built-in unit fixed-mounted version Yes No Yes 418 g -25 °C 55 °C -25 °C









Environmental Confirmations **Miscellaneous** 

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2017-1TL13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2017-1TL13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2017-1TL13 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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