## SIEMENS

## Data sheet

## 3LD3154-1TK53



Load disconnector 3LD3, lu 25 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 9.0kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive red / yellow 66x66 mm with auxiliary switch 10E + 1S

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	EMERGENCY-STOP switch
display version / for switch position indicator manual operation	1 ON - 0 OFF
design of the actuating element	Short rotary knob
design of handle	rotary operating mechanism, red/yellow
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
number of poles / note	3
type of device	fixed mounting
type of switch	front mounted
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 l2t 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]	
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	1.1 W
<ul> <li>per conductor / typical</li> </ul>	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

• et AC-21 A / at 440 V / rated value         25 A           operational current / of upstream fuse / rated value         26 A           Herhrough current / with closed witch         3.5 kA           • at 400 V / for combination switch + gG tuse /         3.5 kA           • at 600 V / for combination switch + gG tuse /         4 kA           • at 600 V / for combination switch + gG tuse /         4 kA           • at AC-23 A / at 420 V / rated value         4 kW           • at AC-23 A / at 440 V / rated value         1 kW           • at AC-33 A / at 440 V / rated value         1 kW           • at AC-33 A / at 440 V / rated value         1 kW           • at AC-31 at 600 V / rated value         2 kW           • at AC-31 at 600 V / rated value         2 kW           • at AC-31 at 600 V / rated value         2 S A           Availing original         7 st 800 V rated value           • at AC-31 at 600 V / rated value         2 S A           Availing value / of a usiliary contact / rated value         2 S A           Availing value / of a usiliary contact / rated value         1           operational current / rated value         2 S A           Availing value / of a usiliary contact / rated value         10 A           insultan value / of a usiliary contact / rated value         10 A           insultan value		
operational current / of upstream fise / rated value         25 A           lef-Hrough current / with closed width         25 A           ext 400 / / for combination width + gG fuse / maximum permissible         3.5 kA           maximum permissible         4 kA           Main circoit         4 kA           operating power         4 kA           ext AC 23 A/ at 240 / rated value         4 kW           et AC 23 A/ at 240 / rated value         10 kW           et AC 23 A/ at 240 / rated value         9 kW           et AC 23 A/ at 240 / rated value         9 kW           et AC 23 A/ at 240 / rated value         9 kW           et AC 23 A/ at 400 / rated value         9 kW           et AC 23 A/ at 400 / rated value         9 kW           et AC 23 A/ at 400 / rated value         25 A           Auxiliary contacts         6 anticle an		
Iel-Inough current / with classed switch       3.5 KA            et R60 V / for combination switch + gG fuse / maximum       3.5 KA            maximum, et missible        4 KA            maximum, permissible        4 KA            et R60 V / for combination switch + gG fuse / maximum permissible        4 KA            maximum, permissible        4 KA            et RC-23 A/ at 240 V / rated value        10 KW             et RC-32 A/ at 440 V / rated value        9 KW             et RC-32 A/ at 440 V / rated value        9 KW             et RC-32 A/ at 440 V / rated value        9 KW             et RC-32 A/ at 400 V / rated value        9 KW             et RC-32 A/ at 400 V / rated value        7.5 KW             promber of KC contacts // at 24 avalue        7.5 KW             promber of KC contacts // at 24 avalue        0             contrinucus current / at dvalue        00 V             contracts // at 24 avalue contacts // at 24 avalue        00 V             contracts // at 24 avalue contacts // at 24 avalue        00 V             contracts // at 24 avalue        00 V             contact		
		25 A
maximum       4 KA         maximum permissible       4 KA         openting power       4 KA         at AC:23 A / at 440 V / rated value       4 KW         at AC:23 A / at 440 V / rated value       10 kW         at AC:23 A / at 440 V / rated value       9 KW         at AC:23 A / at 440 V / rated value       9 KW         at AC:23 A / at 440 V / rated value       9 KW         at AC:33 A / at 400 V / rated value       9 KW         at AC:31 / at 240 V / rated value       8 KW         at AC:32 / at 400 V / rated value       7.5 KW         operational current / rated value       7.5 KW         operational current / rated value       10 A         number of NC contacts / for auxiliary contacts       1         operating power       10 A         insultation values / for auxiliary contacts       1         ontimuus current / rated value       500 V         outstation values / for auxiliary contacts       1         outstation values / outstats / ratesmum       500 V         outstation values / outstats / ratesmum       500 V         sultability       500 V         sultability for use       • main switch         • main switch       Yes         • saflety switch       Yes	-	0.514
• at 680 V / for combination switch + gG fuse / maximum permissible       4 kA         Main circuit       • at AC-23 A / at A0 V / rated value       4 kW         • at AC-23 A / at A0 V / rated value       10 kW         • at AC-23 A / at A0 V / rated value       10 kW         • at AC-23 A / at A0 V / rated value       9 kW         • at AC-23 A / at A0 V / rated value       9 kW         • at AC-23 A / at A0 V / rated value       9 kW         • at AC-37 at 240 V / rated value       9 kW         • at AC-37 / at 240 V / rated value       7.5 kW         • at AC-37 / at 260 V / rated value       25 A         Auxiliary circuit       7.5 kW         • at AC-37 / at 800 V / rated value       25 A         Auxiliary circuit       10         number of NC contack / for auxiliary contacks       1         operational current / rated value       10 A         contacks / for auxiliary contacks       10 A         contacks / for auxiliary contacks       10 A         contacks / for auxiliary contacks       10 A         insultation values / of the auxiliary contacks       10 A         sultatility for use       • auxiliary contacks         • main switch       Yes         • sultatility for use       • auxiliary contacks         • addecommetor	-	3.5 KA
maintum permissible         Allon Circuit         e al AC-23 A / at 20 V / rated value       4 KW         e al AC-23 A / at 40 V / rated value       10 KW         e al AC-23 A / at 40 V / rated value       9 KW         e al AC-23 A / at 400 V / rated value       9 KW         e al AC-23 A / at 600 V / rated value       9 KW         e al AC-3 / at 280 V / rated value       8 KW         e al AC-3 / at 280 V / rated value       25 A         Availlary determent       25 A         Availlary determent       25 A         Availlary determent       500 V         operating torget / for auxiliary contacts       1         number of CO contacts / for auxiliary contacts       1         number of NC contacts / for auxiliary contacts       1         number of NC contacts / for auxiliary contact / rated value       500 V         operating votage / of auxiliary contact / rated value       500 V         Solitability for use       10 A         insultation votage / of the auxiliary switch / rated value       500 V         Solitability for use       10 A         insultation votage / of the auxiliary switch / rated value       500 V         Solitability for use       10 A         insultation votage / of the auxiliary switch / rated value       500 V		4 kA
operating power     • at AC-23 A / at 240 V / rated value     4 KW       • at AC-23 A / at 440 V / rated value     10 KW       • at AC-23 A / at 440 V / rated value     9 KW       • at AC-23 A / at 400 V / rated value     9 KW       • at AC-23 A / at 400 V / rated value     9 KW       • at AC-3 / at 280 V / rated value     9 KW       • at AC-3 / at 280 V / rated value     4 KW       • at AC-3 / at 280 V / rated value     25 A       Avxiliary circuit     7.5 KW       number of CO contacts / for auxiliary contacts     0       number of NC contacts / for auxiliary contacts     1       number of NC contacts / for auxiliary contacts     500 V       continuous current / of the auxiliary contacts     10 A       insultation voltage / of the auxiliary contact / rated value     500 V       exitability for use     Yes       • availet alisconnector     Yes       • savite alisconnector     Yes       • availet alisonnector     Yes </td <td></td> <td></td>		
	Main circuit	
i.t AC-23 A / at 240 V / rated value             i.t AC-23 A / at 240 V / rated value             i.t AC-23 A / at 440 V / rated value             i.t AC-23 A / at 460 V / rated value             i.t AC-3 / at 240 V / rated value             i.t AC-3 / at 240 V / rated value             i.t AC-3 / at 240 V / rated value             i.t AC-3 / at 240 V / rated value             i.t AC-3 / at 240 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 250 V / rated value             i.t AC-3 / at 20 / raxiliary contacts             i.t AC-4 / the auxiliary contacts             i.t AC-4 / the aux	operating power	
		4 kW
	<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	10 kW
• et AC-3 / at 240 V / rated value             4 kW               • et AC-3 / at 90 V / rated value             8 kW               • et AC-3 / at 90 V / rated value             25 A               operational current / rated value             25 A               Auxiliary circuit             0               number of Co contacts / for auxiliary contacts             0               number of NG contacts / for auxiliary contacts             1               operating voltage / of the auxiliary contacts / rated value             10 A               continuous current / of the auxiliary contacts / rated value             00 V               continuous current / of the auxiliary contacts / rated value             10 A               insultation voltage / of the auxiliary contact / rated value             00 V               sultability             900 V               sultability             900 V               sultability             900 V               sultability             Yes               e ality switch             Yes               e ality switch             Yes               product feature             red               product feature             Color / of the acustaling element	<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	9 kW
	<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	9 kW
et AC-3 / at 690 V / rated value     7.5 kW     operational current / rated value     25 A     A     Availary criteriat     number of NC contacts / for auxiliary contacts     1     number of NC contacts / for auxiliary contacts     1     continuous current / of the auxiliary contacts     1     operating voltage / of the auxiliary contacts / at AC / maximum     sould age / of the auxiliary contact / rated value     00 V     continuous current / of the auxiliary contact / rated value     500 V     Statebility     suitability for use         enain switch         Yes         enain switch         Yes         enain switch         Yes         enaintenance/repair switch         So         ves         enaintenance/repair switch         red         Product details         product feature         ena blocked linb OFF position         yes         enable locked linb OFF position         yes         enable locked linb OFF position         sectal product feature         bord crites         ovoltage trigger         No         soldsall product feature         for down         soldsall product feature         for down         soldsall product feature         for down	<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	4 kW
operational current / rated value         25 A           Auxiliary circuit	• at AC-3 / at 400 V / rated value	8 kW
Auxiliary circuit         Inumber of CO contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         1         1           operating voltage / of auxiliary contact / at AC / maximum         500 V         500 V           continuous current / of the auxiliary contact / rated value         10 A         1           insulation voltage / of the auxiliary contact / rated value         500 V         500 V           Suitability         suitability         500 V         500 V           Suitability of use         •         •         6           • main switch         Yes         •         •           • switch disconnector         Yes         •         •           • adity switch         Yes         •         •           • adite hocked into OFF position         Yes         •           • maintenance/repair switch         Yes         •           Product detatis         •         •         •           product feature         •         •         •           • adito OFF position         Yes         •         •           number of bracket locks / maximum         3         •         •           namber of bracket locks / maximum         3         •         •	• at AC-3 / at 690 V / rated value	7.5 kW
Auxiliary circuit         0           number of CO contacts / for auxiliary contacts         0           number of NO contacts / for auxiliary contacts         1           operating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           Suitability         500 V           Suitability for use         10 A           • main switch         Yes           • switch disconnector         Yes           • switch disconnector         Yes           • atiety switch         Yes           • atiety switch         Yes           • atiety switch         Yes           • coator / of the actuating element         red           Product detatis         red           product detatis         Yes           number of bracket locks / maximum         3           nasp thickness / of the bracket locks / maximum         3           nasp thickness / of the bracket locks / maximum         4 mm           nasp totickness / of the bracket locks / maximum         5 motodia short-circuit current / with line-side fuse           product detatise         No           Short circuit	operational current / rated value	25 A
number of CO contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         1           operating voltage / of auxiliary contacts         1           operating voltage / of auxiliary contacts         1           insulation voltage / of fauxiliary contacts         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           suitability         10 A           suitability         500 V           Suitability         500 V           suitability for use         500 V           • main switch         Yes           • switch disconnector         Yes           • switch disconnector         Yes           • anaintenance/repair switch         Yes           Product detature         red           octor / of the actuating element         red           Product detature         can be locked into OFF position           • acan be locked into OFF position         Yes           • anaber of bracket locks / maximum         3           hasp thickness / of the bracket locks / minimum         4 mm           hasp thickness / of the bracket locks / minimum         8 mm           special product feature         Can be locked in zero position           ordiag trigger         <		
number of NC contacts / for auxiliary contacts         1           number of NC contacts / for auxiliary contacts         1           operating voltage / of auxiliary contact A C / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           Suitability         500 V           suitability         500 V           suitability         500 V           suitability for use         10 A           • main switch         Yes           • switch disconnector         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           • can be locked into OFF position         Yes           product feature         red           • can be locked into OFF position         Yes           number of bracket locks / maximum         3           hasp thickness / of the bracket locks / maximum         8 mm           special product feature         Can be locked in zero position           product stension / optional         No           • voltage trigger         No           Short circuit         0 kA           eatt90 V / by gG f		0
number of NO contacts / for auxiliary contacts / at AC / maximum         1           operating voltage / of auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           suitability         500 V <td></td> <td></td>		
operating voltage / of auxillary contacts / at AC / maximum         500 V           continuous current / of the auxillary contact / rated value         10 A           insulation voltage / of the auxillary switch / rated value         500 V           Suitability         745 S           suitability         745 S           suitability         745 S           suitability         745 S           suitability         745 S<		
continuous current / of the auxiliary contact / rated value       10 A         insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       suitability         suitability for use       • main switch         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • afety switch       Yes         • maintenance/repair switch       Yes         • maintenance/repair switch       Yes         • of the actuating element       red         Product feature       • can be locked into OFF position         • can be locked into OFF position       Yes         • number of bracket locks / maximum       3         hasp thickness / of the bracket locks / maximum       8 mm         special product feature       Can be locked in zero position         product setture       No         special product feature       No         • ortor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse         protection       it 440 V / by gG fuse / rated value         • at 440 V / by gG fuse / rated value       6 kA         according UL       600 V         Operating voltage / rat AC / at 500/		
insulation voltage / of the auxiliary switch / rated value     500 V       Suitability     switch disconnector     Yes       • main switch     Yes     Yes       • Switch disconnector     Yes       • switch disconnector     Yes       • safety switch     Yes       • main trenance/repair switch     Yes       • maintenance/repair switch     Yes       Product details     Yes       product details     Yes       ocan be locked into OFF position     Yes       • can be locked into OFF position     Yes       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     3       special product feature     Can be locked in zero position       product extension / optional     No       • woltage trigger     No       Short circuit     Conditional short-circuit current / with line-side fuse protection       • at 440 V / by gG fuse / rated value     10 kA       • at 690 V / by gG fuse / rated value     6 kA       according UL     600 V       Operational current / at AC / a ccording to UL 508/UL 60947-4-1 / rated value     600 V       obstyr-4-1 / rated value     10       doity power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value     600 V		
Suitability         suitability for use         • main switch         • switch disconnector         • Switch disconnector         • EMERGENCY OFF switch         • safety switch         • maintenance/repair switch         Yes         • address strict         • maintenance/repair switch         Yes         • can be locked into OFF position         Yes         number of bracket locks / maximum         1         hasp thickness / of the bracket locks / minimum         4         namber of bracket locks / maximum         special product feature         • oran be locked into CFF position         Yes         number of bracket locks / maximum         special product feature         Can be locked in zero position         product extension / optional         • motor drive         • voltage trigger         No         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 400 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         operatin		
suitability for use     Yes       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       • maintenance/repair switch     Yes       Appearance		
<ul> <li>switch disconnector</li> <li>Yes</li> <li>EMERGENCY OFF switch</li> <li>safety switch</li> <li>realtenance/repair switch</li> <li>Yes</li> <li>maintenance/repair switch</li> <li>Yes</li> <li>color / of the actuating element</li> <li>red</li> <li>Product datalis</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 / maximum</li> <li>hasp thickness / of the bracket locks / maximum</li> <li>special product feature</li> <li>can be locked into OFF position</li> <li>red</li> <li>can be locket locks / maximum</li> <li>amm</li> <li>special product feature</li> <li>can be locket locks / maximum</li> <li>special product feature</li> <li>Can be locked in zero position</li> <li>product extension / optional</li> <li>motor drive</li> <li>voltage trigger</li> <li>No</li> </ul> </li> <li>Short circuit</li> <li>conditional short-circuit current / with line-side fuse protection         <ul> <li>at 440 V / by gG fuse / rated value</li> <li>to KA</li> <li>at 690 V / by gG fuse / rated value</li> <li>to KA</li> <li>at 690 V / by gG fuse / rated value</li> <li>to KA</li> <li>according to UL</li> <li>operational current / at AC / at coording to UL</li> <li>600 V</li> <li>508/UL 60947-4-1 / rated value</li> <li>active power (hp) / at AC / at 480 V / according to UL</li> <li>508/UL 60947-4-1 / rated value</li> <li>active power (hp) / at AC / at 480 V / according to UL</li> <li>508/UL 60947-4-1 / rated value</li> <li>active power (hp) / at AC / at 480</li></ul></li></ul>		Yes
• EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       Appearance     Color / of the actuating element       color / of the actuating element     red       Product details     product details       product feature     • can be locked into OFF position       • can be locked into OFF position     Yes       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     8 mm       special product feature     Can be locked in zero position       product extension / optional     No       • notor drive     No       • otto day trigger     No       Short circuit     Corrolitional short-circuit current / with line-side fuse protection       • at 440 V / by gG fuse / rated value     10 kA       • at 690 V / by gG fuse / rated value     6 kA       according UL     Operational current / at AC / according to UL       operational current / at AC / according to UL     600 V       508/UL 60947-4-1 / rated value     10       active power [hp] / at AC / at 800 V / according to UL     10       508/UL 60947-4-1 / rated value     10       active power [hp] / at AC / at 600 V / according to UL     10		
maintenance/repair switch Yes  Appearance color / of the actuating element red  Product details  product feature      ocan be locked into OFF position     res      red      red		
Appearance         color / of the actuating element       red         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         special product feature         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value         • at 480 V / by gG fuse / rated value         • at 680 V / by gG fuse / rated value         operational current / at AC / according to UL 508/UL         soB/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	-	
color / of the actuating element     red       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       special product feature       product extension / optional       • motor drive       • voltage trigger       No       Short circuit       conditional short-circuit current / with line-side fuse protection       • at 440 V / by gG fuse / rated value       • at 690 V / by gG fuse / rated value       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 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	· ·	
Product details         product feature         • can be locked into OFF position         number of bracket locks / maximum         3         hasp thickness / of the bracket locks / minimum         4 mm         hasp thickness / of the bracket locks / maximum         8 mm         special product feature         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value         10 kA         • at 690 V / by gG fuse / rated value         0perational current / at AC / according to UL 508/UL 60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL 508/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		red
product feature     Yes       • can be locked into OFF position     3       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / minimum     4 mm       hasp thickness / of the bracket locks / maximum     8 mm       special product feature     Can be locked in zero position       product extension / optional     • motor drive       • woltage trigger     No       Short circuit     • conditional short-circuit current / with line-side fuse protection       • at 440 V / by gG fuse / rated value     10 kA       • at 690 V / by gG fuse / rated value     6 kA       according UL     25 A       operational current / at AC / according to UL 508/UL 60947-4-1 / rated value     600 V       sol/UL 60947-4-1 / rated value     10       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value     10       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value     10		
• 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         special product feature       Can be locked in zero position         product extension / optional       • motor drive         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       6 kA         according UL       0perational current / at AC / according to UL 508/UL       25 A         operational current / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 480 V / according to UL       10         costive power [hp] / at AC / at 600 V / according to UL       10		
number of bracket locks / maximum       3         hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       8 mm         special product feature       Can be locked in zero position         product extension / optional       • motor drive         • motor drive       No         • voltage trigger       No         Short circuit       conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       25 A         operational current / at AC / according to UL 508/UL       600 V         60947-4-1 / rated value       600 V         operationg voltage / at AC / at 50/60 Hz / according to UL       10         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		Yes
hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       8 mm         special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       25 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 480 V / according to UL       10         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       10	· · · ·	
hasp thickness / of the bracket locks / maximum       8 mm         special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       25 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 50/60 Hz / according to UL       10         conditional active power [hp] / at AC / at 600 V / according to UL       10		
special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       25 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 50/60 Hz / according to UL       10         solut L 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       15		
product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       0 perational 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 600 V       600 V         solvUL 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       10         active power [hp] / at AC / at 600 V / according to UL 508/UL 10       10		
• motor driveNo• voltage triggerNoShort circuitconditional short-circuit current / with line-side fuse protection10 kA• at 440 V / by gG fuse / rated value10 kA• at 440 V / by gG fuse / rated value6 kAaccording UL6 kAoperational current / at AC / according to UL 508/UL 60947-4-1 / rated value25 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 value10active power [hp] / at AC / at 600 V / according to UL15		
• voltage trigger       No         Short circuit		No
Short circuit         conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       0 perational current / at AC / according to UL 508/UL         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       10         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       15		
conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       6 kA         operational current / at AC / according to UL 508/UL       25 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       10         active power [hp] / at AC / at 480 V / according to UL       10         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       15		
protection <ul> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>6 kA</li> </ul> <ul> <li>at 690 V / by gG fuse / rated value</li> <li>6 kA</li> </ul> <ul> <li>operational current / at AC / according to UL 508/UL 60947-4-1 / rated value</li> <li>operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value</li> <li>600 V</li> <li>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>10</li> <li>508/UL 60947-4-1 / rated value</li> <li>active power [hp] / at AC / at 600 V / according to UL</li> <li>15</li> </ul>		
• at 690 V / by gG fuse / rated value         6 kA           according UL         0           operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         25 A           operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value         600 V           sole         600 V           508/UL 60947-4-1 / rated value         10           active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value         15		
according UL         operational current / at AC / according to UL 508/UL       25 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       10         active power [hp] / at AC / at 480 V / according to UL       10         active power [hp] / at AC / at 600 V / according to UL       15	<ul> <li>at 440 V / by gG fuse / rated value</li> </ul>	10 kA
operational current / at AC / according to UL 508/UL       25 A         60947-4-1 / rated value       25 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       10         508/UL 60947-4-1 / rated value       15	<ul> <li>at 690 V / by gG fuse / rated value</li> </ul>	6 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       10         active power [hp] / at AC / at 480 V / according to UL       10         active power [hp] / at AC / at 600 V / according to UL       15	according UL	
508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 480 V / according to UL       10         508/UL 60947-4-1 / rated value       10         active power [hp] / at AC / at 600 V / according to UL       15		25 A
508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         15		600 V
		10
		15

<u>Confirmation</u>	EAL CE AR
General Product Approval	Declaration of Conformity
ambient temperature / during storage / minimum	-25 °C
• maximum	55 °C
• minimum	-25 °C
ambient temperature / during operation	
invironmental conditions	
net weight	200 g
rail mounting	No
<ul> <li>front mounting</li> <li>front mounting with central attachment</li> </ul>	Yes
4-hole front mounting	No
fastening method	
depthfastening method	Built-in unit fixed-mounted version
width	47 mm 114 mm
height	60 mm
lechanical Design	
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 25 A
design of the fuse link	
equirements	
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
for main current circuit	box terminal
type of electrical connection	
<ul> <li>stranded</li> </ul>	2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
<ul> <li>finely stranded / with core end processing</li> </ul>	2x (0.75 2.5 mm²), 1x 2.5 mm²
<ul> <li>auxiliary contacts</li> <li>solid</li> </ul>	2x (0.75 2.5 mm²), 1x 4 mm²
type of connectable conductor cross-sections / for	
• stranded	1x (2.5 to 16 mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (2.516 mm²)
• solid	1x (2.5 to 16 mm <sup>2</sup> )
type of connectable conductor cross-sections / for copper conductor	
minimum     type of connectable conductor cross-sections / for connectable	14
• maximum	6
section / solid	
AWG number / as coded connectable conductor cross	
/ attachable / maximum connections	
/ attachable / maximum number of connectable CO contacts / for auxiliary contacts	0
/ attachable / maximum number of connectable NO contacts / for auxiliary contacts	4
number of connectable NC contacts / for auxiliary contacts	2
umber	
rated value	RK5
continuous current / of upstream fuse / according to UL /	50 A
to UL 508/UL 60947-4-1	

other

## 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=3LD3154-1TK53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3154-1TK53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3154-1TK53 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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