## SIEMENS

## Data sheet

## 3LD3030-0TL11



Load disconnector 3LD3, Iu 16 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 7.5kW Installation in distribution boards, Basic switch with selector knob black

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	DIN-rail mounting
design of the actuating element	selector switch
color of the actuating element	black
design of handle	knob-operated mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
number of poles note	4
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	6 kV
operating voltage	
<ul> <li>at AC rated value</li> </ul>	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP40
protection class IP on the front	IP40
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	0.5 W
Main circuit	
operational current	
<ul> <li>at AC-21 at 690 V rated value</li> </ul>	16 A
<ul> <li>at AC-21 A at 240 V rated value</li> </ul>	16 A
• at AC-21 A at 400 V rated value	16 A
<ul> <li>at AC-21 A at 440 V rated value</li> </ul>	16 A
• at AC-23 A at 400 V rated value	16 A

separating power         set AC-23 A at A90 V Inter Value         S W           set AC-23 A at A90 V Inter Value         S W           set AC-23 A at A90 V Inter Value         S W           set AC-23 A at A90 V Inter Value         S W           set AC-23 A at A90 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AC-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W           set AD-3 at 260 V Inter Value         S W		
• # A-23 A # 400 Y mide value     8 KV       • # A-23 A # 400 Y inder value     8 KV       • # A-23 A # 400 Y inder value     8 KV       • # A-23 A # 400 Y inder value     8 KV       • # A-23 A # 400 Y inder value     8 KV       • # A-23 A # 400 Y inder value     8 KV       • # A-23 A # 400 Y inder value     5 KV       • # A-23 A # 400 Y inder value     5 KV       • # A-23 A # 400 Y inder value     5 KV       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A-23 A # 400 Y inder value     0       • # A = A # A # A # A # A # A # A # A # A	operating power	
<ul> <li>at A-23 A at 440 V rates value</li> <li>b KV</li> <li>at A-23 A at 240 V rates value</li> <li>b KV</li> <li>at A-23 at 240 V rates value</li> <li>b KV</li> <li>at A-23 at 240 V rates value</li> <li>b KV</li> <li>at A-23 at 240 V rates value</li> <li>b KV</li> <li>at A-23 at 400 V rates value</li> <li>b KV</li> <li>at A-23 at 400 V rates value</li> <li>b KV</li> <li>at A-23 at 600 V rates value</li> <li>b KV</li> <li>at A-23 at 600 V rates value</li> <li>b KV</li> <li>at A-23 at 600 V rates value</li> <li>b KV</li> <li>at A-23 at 600 V rates value</li> <li>b KV</li> <li>at A-23 at 600 V rates value</li> <li>c A-24 at 240 V rates value</li></ul>	• at AC-23 A at 240 V rated value	3 kW
<ul> <li>at AC-23 At 800 V rade value</li> <li>b.WV</li> <li>at AC-3 at 400 V rade value</li> <li>b.WV</li> <li>at AC-3 at 400 V rade value</li> <li>b.WV</li> <li>at AC-3 at 400 V rade value</li> <li>b.WV</li> <lib.wv< li=""> <li>b.WV</li> <li>b.WV</li> <li< td=""><td>• at AC-23 A at 400 V rated value</td><td>8 kW</td></li<></lib.wv<></ul>	• at AC-23 A at 400 V rated value	8 kW
• • • • • • • • • • • • • • • • • • •	• at AC-23 A at 440 V rated value	7.5 kW
• e1 AC-3 at 400 Y rated value     5.5 kW       Auxiliary circuit     0       number of Constrats for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       operating values of auxiliary contacts at AC maximum     500 V       continuous current of the auxiliary contact at AC maximum     500 V       stability for use main switch     Yes       stability for use main switch     Yes       stability for use switch disconnector     Yes       stability for use maintenancripa	• at AC-23 A at 690 V rated value	8 kW
• a1.4C-3 at 690 V roted value     5.5 kW       Auxiliary circuit     0       number of NC contacts for auxiliary contacts     0       operating vallage of auxiliary contact at AC maximum     500 V       continuous curved of the auxiliary contact at AC maximum     500 V       continuous curved of the auxiliary contact at AC maximum     500 V       suitability for use and an switch     Yes       suitability for use and an switch     Yes       suitability for use and and switch     Yes       suitability for use and at switch     Can be locked in zer	<ul> <li>at AC-3 at 240 V rated value</li> </ul>	3 kW
Auxiliary circuit         0           number of CO contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts         0           continuous current of the auxiliary contact at AC maximum         500 V           continuous current of the auxiliary contact rated value         500 V           Satubility for use main switch         Yes           suitability for use main switch         Yes           suitability for use maintenance/repair switch         Yes           suitability for use maintenance/repair switch         Yes           suitability for use maintenance/repair switch         Yes           product feature         Can be locked into CFF position           product feature can be locked into CFF position         Yes           product feature         No           - orologi ringer         No           -	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	6 kW
number of CD contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           continuous curvent of the auxiliary contacts at AC maximum         500 V           continuous curvent of the auxiliary contacts at AC maximum         500 V           suitability for use mains which rated value         500 V           suitability for use mains which rated value         500 V           suitability for use mains which rated value         500 V           suitability for use mains which rated value         500 V           suitability for use mains which rated value         748           suitability for use samintonaccirepiar switch         Yes           Product feature can be locked into OFF position         Yes           sccassories         No           product feature can be locked into OFF position         Yes           sccassories         No           product feature can be locked into OFF position         Yes           sccassories         No           number of connectable NC contacts for auxiliary contacts         4           number of connectable NC contacts for auxiliary contacts         4           number of connectable NC contacts for auxiliary contacts         4           num	• at AC-3 at 690 V rated value	5.5 kW
number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         10 A           insulation vitage of the auxiliary contact rated value         500 V           suitability for use main switch         Yes           suitability for use switch disconnector         Yes           suitability for use main switch         Yes           suitability for use maintenance/repair switch         Yes           suitability for use maintenance/repair switch         Yes           special founduct feature         Can be locked in zero position           product datability         Yes           suitability for use maintenance/repair switch         Yes           product stansion optical         No           number of NC contacts for auxiliary contacts         2           product stansion optical         No           - motor of nice         No <td>Auxiliary circuit</td> <td></td>	Auxiliary circuit	
number of NO contacts for auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         500 V           suitability for use main switch rated value         500 V           suitability for use switch fusicon cotor         Yes           suitability for use main switch         Yes           product dutalits         Can be locked in zero position           product dutalits         Yes           product dutalits         No           consortis         No           unmber of consortishts         No           ording trigger         No           number of consortable NC contacts for auxiliary contacts         4           attachable maximum         2           number of consortable NC contacts for auxiliary contacts         4           attachable maximum         2           attachable maximum         2           attachable maximum         3           attachable maximum         3           <	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         10 A           installot voltage of the auxiliary contact rated value         500 V           suitability for use amin switch         Ves.           suitability for use awints hildsconnector         Yes.           autability for use awints hildsconnector         Yes.           product datability and the auxiliary contacts         No           auntability for use awints hildscontacts for auxiliary contacts         4           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         4           attachable maximum         2           number of connecta	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value     500 V       Suitability for use main switch     Yes       suitability for use switch disconnector     Yes       suitability for use main switch     Yes       suitability for use maintenance/repair switch     Yes       suitability for use maintenance/repair switch     Yes       suitability for use maintenance/repair switch     Yes       special product feature     Can be locked in zoro position       product feature can be locked into OFF position     Yes       sccossor(is)     Product feature       product feature can be locked into OFF position     Yes       sccossor(is)     No       motor drive     No       • voltage Wigger     No       number of connectable NC contacts for auxiliary contacts     2       number of connectable NO contacts for auxiliary contacts     0       number of connectable OC contacts for suxiliary contacts     0       number of connectable NO contacts for suxiliary contacts     0       attachable maximum     2       statchable maximum     2       attachable maximum     3 kA       attachable maximum     3 kA <td>number of NO contacts for auxiliary contacts</td> <td>0</td>	number of NO contacts for auxiliary contacts	0
Instability         500 V           Suitability         Suitability           suitability for use main switch         Yes           suitability for use switch disconnector         Yes           suitability for use safety switch         Yes           suitability for use safety switch         Yes           suitability for use safety switch         Yes           suitability for use main switch         Yes           suitability for use main switch         Yes           special product feature         Can be locked in zero position           product contents for auxiliary contacts         No           a motor drive         No           a voltage frigger         No           number of connectable NC contacts for auxiliary contacts         2           number of connectable NC contacts for auxiliary contacts         4           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         4           attachable maximum         2           hasp thickness of the bracket locks         4           orditional short-circuit current with line-side fuse         10 kA           etted value         6 kA           lettrough current with closed switch         4           et 400 V for combination switch + gG fuse	operating voltage of auxiliary contacts at AC maximum	500 V
Satisfility         Satisfility         Construction         Yes           suitability for use main switch         Yes         Satisfility for use safety switch         Yes           suitability for use maintenance/repair switch         Yes         Yes           suitability for use maintenance/repair switch         Yes           special product feature         Can be locked in zero position           product details         Can be locked in zero position           product details         Special product feature           product details         Can be locked in zero position           excessories         Yes           product details         No           excessories         No           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         2           hasp thickness of the bracket locks         46 mm           Short circuit         Conditional short-circuit current with line-side fuse           conditional short-circuit current with line-side fuse         6 kA           let through current with closed switch         3 kA           • at 420 V brg Gb fuse rated value         10 kA           •	continuous current of the auxiliary contact rated value	10 A
suitability for use main switch Yes suitability for use switch disconnector Yes suitability for use safety switch OFF switch No suitability for use safety switch Yes suitability for use safety switch Yes suitability for use safety switch Yes product feature Can be locked in zero position Yes product starter can be locked into OFF position Yes suitability for use safety switch OFF position Yes voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum Contacts for auxiliary contacts attachable maximum Contacts for auxiliary contacts attachable maximum A Contacts for auxiliary contacts A A & mm A Shot Cicuit Conditional shot-cicuit current with line-side fuse protecton • at 440 V by gG fuse rated value 6 kk Ist A A A A A A A A A A A A A A A A A A A	insulation voltage of the auxiliary switch rated value	500 V
suitability for use switch disconnector         Yes           suitability for use switch disconnector         Yes           suitability for use safety switch         Yes           suitability for use safety switch         Yes           suitability for use safety switch         Yes           special product feature can be locked int OFF position         Yes           product desture can be locked int OFF position         Yes           successories         product feature can be locked int OFF position           product desture can be locked into OFF position         Yes           accessories         No           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         No           number of connectable CO contacts for auxiliary contacts         4           attachable maximum         2           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         2           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         2           conditional short-circuit current with line-side fuse         0           conditional short-circuit current with line-side fuse         0           out they Of to conbination switch + 9G fuse maximum         3 kA	Suitability	
suitability for use EMERGENCY OFF switch         No           suitability tor use snatureance/repair switch         Yes           Product details            special product feature         Can be locked in zero position           product each each be locked into OFF position         Yes           accessories            product each each be locked into OFF position         Yes           accessories         No           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         2           number of connectable NO contacts for auxiliary contacts         4           attachable maximum         2           number of connectable OC contacts for auxiliary contacts         4           attachable maximum         2           number of bracket locks maximum         2           attachable maximum         2           attachable maximum         3           ord ditional short-circuit current with line-side fuse protection         4           attable dot bracket locks         4           attable dot bracket loced switch         6 kA           ettricution current with line-side fuse maximum         3 kA           at 440 V by gG fuse rated value         6 kA           ettricution current wit	suitability for use main switch	Yes
suitability for use safety switch         Yes           special product feature         Can be locked in zero position           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked in zero position         Yes           product feature can be locked in zero position         Yes           product feature can be include into OFF position         No           • wottage finger         No           number of connectable KO contacts for auxiliary contacts         2           number of bracket locks maximum         2           number of bracket locks maximum         2           statchable maximum         2           readed short-forcult current with line-side fuse         0           et 440 V by gG fuse rated value         10 kA           • at 480 V by gG fuse rated value         10 kA           • at 240 V for combination switch + gG fuse maximum <td>suitability for use switch disconnector</td> <td>Yes</td>	suitability for use switch disconnector	Yes
suitability for use maintenance/repair switch         Yes           Product details         Special product feature can be locked into CFF position         Yes           product detains         Can be locked in zero position         Yes           product detains on optional         Yes         No           • wotarge trigger         No         No           • unable of connectable NC contacts for auxiliary contacts         2           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         2           number of concectable NC contacts for auxiliary contacts         0           attachable maximum         2           number of bracket locks maximum         2           attachable maximum         3 kA           attachable maximum         3 kA           at 440 V by gG hase rated value         6 kA           et-th	suitability for use EMERGENCY OFF switch	No
Product datalis         special product feature       Can be locked in zero position         product feature can be locked into OFF position       Yes         accessories       Product extension optional            • motor drive         • notor drive         • nore drive drive         • no drive         • nore driv	suitability for use safety switch	Yes
special product feature         Can be locked in zero position           product feature can be locked into OFF position         Yes           product extension optional         No           • motor drive         No           • unitage tigger         No           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         No           number of connectable OC contacts for auxiliary contacts         4           attachable maximum         2           number of connectable OC contacts for auxiliary contacts         0           attachable maximum         2           hasp thickness of the bracket locks         4 6 mm           Short circuit         Conditional short-tircuit current with line-side fuse protoction           • at 440 V by gG fuse rated value         6 kA           let-through current with closed switch         3 kA           • at 600 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maxim	suitability for use maintenance/repair switch	Yes
product feature can be locked into OFF position     Yes       sccessories     product extension optional       • motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       number of connectable NC contacts for auxiliary contacts     4       attachable maximum     2       number of connectable CO contacts for auxiliary contacts     0       attachable maximum     2       hasp thickness of the bracket locks     4 6 mm       Short dircuit     0       conditional short-circuit current with line-side fuse protection     0 kA       e at 440 V by gG fuse rated value     6 kA       let-through current with closed switch     4       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       e at 240 V for combination switch + gG	Product details	
product feature can be locked into OFF position     Yes       sccessories     product extension optional       • motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       number of connectable NC contacts for auxiliary contacts     4       attachable maximum     2       number of connectable CO contacts for auxiliary contacts     0       attachable maximum     2       hasp thickness of the bracket locks     4 6 mm       Short dircuit     0       conditional short-circuit current with line-side fuse protection     0 kA       e at 440 V by gG fuse rated value     6 kA       let-through current with closed switch     4       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       e at 240 V for combination switch + gG fuse maximum     3 kA       e at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       e at 240 V for combination switch + gG	special product feature	Can be locked in zero position
product extension optional     No       • notor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       number of connectable NO contacts for auxiliary contacts     4       attachable maximum     0       number of connectable NO contacts for auxiliary contacts     0       attachable maximum     2       number of bracket locks maximum     2       hasp thickness of the bracket locks     4 6 mm       Short circuit     0       conditional short-circuit current with line-side fuse protection     0 kA       • at 440 V by G fuse rated value     10 kA       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     2 f kA2.s       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     3 kA2       • at 240 V for combination switch + gG fuse maximum     3 kA2.s       • at 240 V for combination switch + gG fuse maximum     3 kA2.s       • at 260 V for combination switch + gG fuse maximum     3 kA2.s       • at 260 V for combination switch + gG fuse maximum     3 kA2.s       • at 260 V for combination switch + gG fu	product feature can be locked into OFF position	Yes
• motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     4       number of connectable NC contacts for auxiliary contacts     4       number of connectable CO contacts for auxiliary contacts     0       number of connectable CO contacts for auxiliary contacts     0       number of connectable CO contacts for auxiliary contacts     0       number of bracket locks maximum     2       hasp thickness of the bracket locks     4 6 mm       Short circuit     Conditional short-circuit current with line-side fuse protection       • at 440 V by gG fuse rated value     6 kA       let-through current with closed switch     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 800 V for combination switch + gG fuse maximum     3 kA       • at 800 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     25 kA2.s       • at 440 V for combination switch + gG fuse maximum     26 kA2.s       • at 440	accessories	
• voltage trigger         No           number of connectable NC contacts for auxiliary contacts attachable maximum         2           number of connectable NO contacts for auxiliary contacts attachable maximum         4           number of connectable CO contacts for auxiliary contacts attachable maximum         0           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         2           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         2           number of bracket locks maximum         2           hasp thickness of the bracket locks         4 6 mm           Short circuit         0           conditional short-circuit current with line-side fuse protection         6 kA           iet-through current with closed switch         6 kA           iet-tado V for combination switch + gG fuse maximum         3 kA           i at 440 V for combination switch + gG fuse maximum         3 kA           i at 440 V for combination switch + gG fuse maximum         3 kA           i at 440 V for combination switch + gG fuse maximum         3 kA           i at 440 V for combination switch + gG fuse maximum         3 kA           i at 440 V for combination switch + gG fuse maximum         3 kA2 us           i at 440 V for combination switch + gG fuse	product extension optional	
number of connectable NC contacts for auxiliary contacts       2         attachable maximum       4         number of connectable NO contacts for auxiliary contacts       4         attachable maximum       0         number of connectable CO contacts for auxiliary contacts       4         attachable maximum       2         hesp thickness of the bracket locks       4         Short dircuit       2         conditional short-circuit current with line-side fuse       10 kA         e at 600 V by gG fuse rated value       6 kA         et-through current with closed switch       6 kA         e at 400 V for combination switch + gG fuse maximum       3 kA         e at 400 V for combination switch + gG fuse maximum       3 kA         e at 400 V for combination switch + gG fuse maximum       3 kA         e at 400 V for combination switch + gG fuse maximum       3 kA         e at 400 V for combination switch + gG fuse maximum       3 kA         e at 400 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 400 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 400 V for combination switch + gG fuse maximum       3 kA         e at 400 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 400 V for combination switch + gG fuse maximum       2.6	motor drive	No
attachable maximum       4         number of connectable NO contacts for auxiliary contacts       4         number of connectable CO contacts for auxiliary contacts       0         attachable maximum       0         number of bracket locks maximum       2         hasp thickness of the bracket locks       4 6 mm         Short circuit       0         conditional short-circuit current with line-side fuse protection       0 kA         e at 600 V by gG fuse rated value       6 kA         let-through current with closed switch       6 kA         e at 240 V for combination switch + gG fuse maximum       3 kA         e at 240 V for combination switch + gG fuse maximum       3 kA         e at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 690 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 690 V for combination switch + gG fuse maximum       3 kA         e for short-circuit protection of the main circuit required       fuse gL/gG: 20 A         e for short-circuit protection of the auxiliary switch required       fuse gL/gG: 20 A         e for short-circuit protection of the auxiliary switch required       fie A <td>voltage trigger</td> <td>No</td>	voltage trigger	No
number of connectable NO contacts for auxiliary contacts attachable maximum       4         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of bracket locks maximum       2         hasp thickness of the bracket locks       4 6 mm         Short directli       0         conditional short-circuit current with line-side fuse protection       0         e at 440 V by gG fuse rated value       10 kA         e at 490 V by gG fuse rated value       6 kA         let-through current with closed switch       3 kA         e at 440 V for combination switch + gG fuse maximum       3 kA         e at 440 V for combination switch + gG fuse maximum       3 kA         e at 440 V for combination switch + gG fuse maximum       3 kA         e at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         lzt value with closed switch       46 mm         e at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         e at 240 V for combination switch + gG fuse maximum       4.4.2.s         design of the fuse link       fuse gL/gG: 20 A         e for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16		2
number of connectable CO contacts for auxiliary contacts         0           number of bracket locks maximum         2           hasp thickness of the bracket locks         4 6 mm           Short circuit         5           conditional short-circuit current with line-side fuse protection         0 kA           • at 440 V by gG fuse rated value         10 kA           • at 690 V by gG fuse rated value         6 kA           let-through current with closed switch         3 kA           • at 240 V for combination switch + gG fuse maximum         3 kA           • at 240 V for combination switch + gG fuse maximum         3 kA           • at 240 V for combination switch + gG fuse maximum         3 kA           • at 240 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 240 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 690 V for combination switch + gG fuse maximum         1.5 kA2.s           • of	number of connectable NO contacts for auxiliary contacts	4
attachable maximum       2         hasp thickness of the bracket locks       4 6 mm         Short circuit       conditional short-circuit current with line-side fuse protection         • at 440 V by gG fuse rated value       10 kA         • at 680 V by gG fuse rated value       6 kA         let-through current with closed switch       6 kA         • at 420 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 420 V for combination switch + gG fuse maximum       3 kA         • at 420 V for combination switch + gG fuse maximum       3 kA         • at 420 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 420 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 420 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 420 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 430 V for combination switch + gG fuse maximum       3 kA2.s         • at 430 V for combination switch + gG fuse maximum       3 kA2.s         • at 430 V for combination switch + gG fuse maximum       3 kA2.s         • at 430 V for combination switch + gG fuse maximum       3 kA2.s         • at 430 V for combination switch + gG fu		
hasp thickness of the bracket locks     4 6 mm       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       let-through current with closed switch     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 690 V for combination switch + gG fuse maximum     3 kA2.s       • at 690 V for combination switch + gG fuse maximum     3 kA2.s       • at 690 V for combination switch + gG fuse maximum     3 kA2.s       • design of the fuse link     fuse gL/gG: 20 A       • for short-circuit protection of the main circuit required     fuse gL/gG: 10 A       • operational current at AC according to UL 508/UL     600 V       according UL     operational current at AC according to UL 508/UL       operational current at AC at 480 V according to UL 508/UL     600 V       60947-4-1 rated value     600 V <td< td=""><td></td><td>0</td></td<>		0
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         let-through current with closed switch       3 kA         • at 240 V for combination switch + gG fuse maximum       3 kA         • at 480 V for combination switch + gG fuse maximum       3 kA         • at 680 V for combination switch + gG fuse maximum       3 kA         • at 680 V for combination switch + gG fuse maximum       3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 680 V for combination switch + gG fuse maximum       3 kA.         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       gopartional current at AC according to UL 508/UL       600 V         60947:4-1 rated value       600 V       600 V         60947:4-1 rated value       600 V       7.5	number of bracket locks maximum	2
conditional short-circuit current with line-side fuse protection       10 kA         • at 490 V by gG fuse rated value       10 kA         • at 690 V by gG fuse rated value       6 kA         let-through current with closed switch       3 kA         • at 490 V for combination switch + gG fuse maximum       3 kA         • at 490 V for combination switch + gG fuse maximum       3 kA         • at 490 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 490 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       operational current of upstream fuse rated value       600 V         operational current of upstream fuse rated value       600 V       600 V         60947-4-1 rated value       7.5       600 V         60947-4-1 rated value       7.5       600 V	hasp thickness of the bracket locks	4 6 mm
protection       10 kA         • at 440 V by gG fuse rated value       10 kA         • at 690 V by gG fuse rated value       6 kA         let-through current with closed switch       6 kA         • at 240 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         • design of the fuse link       fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current at AC according to UL 508/UL       600 V         60947:4-1 rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V     <	Short circuit	
e at 690 V by gG fuse rated value       6 kA         let-through current with closed switch       3 kA         • at 240 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       operational current at AC according to UL 508/UL 60947-4-1         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       16 A         active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1       7.5         active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1       7.5         active power [hp] at AC at 600 V according to UL 508/UL 608/UL		
let-through current with closed switch       3 kA         • at 240 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 490 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       operational current at AC according to UL 508/UL 60947-4-1         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL       7.5         active power [hp] at AC at 600 V according to UL 508/UL       10	<ul> <li>at 440 V by gG fuse rated value</li> </ul>	10 kA
• at 240 V for combination switch + gG fuse maximum3 kA• at 440 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA• at 240 V for combination switch + gG fuse maximum2.5 kA2.s• at 440 V for combination switch + gG fuse maximum2.5 kA2.s• at 440 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum1 fuse gL/gG: 20 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value16 A• operational current at AC according to UL 508/UL 60947-4-116 A• operational current at AC at 50/60 Hz according to UL 508/UL600 V• 60947-4-1 rated value7.5• active power [hp] at AC at 480 V according to UL 508/UL7.5• active power [hp] at AC at 600 V according to UL 508/UL10	• at 690 V by gG fuse rated value	6 kA
• at 440 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA <b>i2t value with closed switch</b> 3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA2.s <b>design of the fuse link f</b> use gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A <b>operational current of upstream fuse rated value</b> 16 A <b>according UL operational current at AC according to UL 508/UL</b> 600 V <b>operating voltage at AC at 50/60 Hz according to UL 508/UL</b> 600 V <b>600 V 7.5 active power [hp] at AC at 480 V according to UL 508/UL 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10</b>	let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible       3 kA         I2t value with closed switch       3 kA         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       60 short-circuit protection of the main circuit required         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 20 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       0perational current at AC according to UL 508/UL 60947-4-1       16 A         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL 7.5       600 V         active power [hp] at AC at 600 V according to UL 508/UL 7.5       10	-	3 kA
permissible         I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       -         • for short-circuit protection of the main circuit required       fuse gL/gG: 20 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL	<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	3 kA
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 600 V according to UL 508/UL</li> <li>600 V</li> <li>600 V</li> <li>60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> <li>10</li> </ul>		3 kA
• at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       5 fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       0         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       16 A         active power [hp] at AC at 480 V according to UL 508/UL 608/UL 60947-4-1       7.5         60947-4-1 rated value       7.5         active power [hp] at AC at 600 V according to UL 508/UL 10       10	I2t value with closed switch	
• at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       3 kA2.s         design of the fuse link       5 fuse gL/gG: 20 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       0         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       16 A         active power [hp] at AC at 480 V according to UL 508/UL 608/UL 60947-4-1       7.5         60947-4-1 rated value       7.5         active power [hp] at AC at 600 V according to UL 508/UL 10       10	• at 240 V for combination switch + gG fuse maximum	2.5 kA2.s
design of the fuse link       • for short-circuit protection of the main circuit required       fuse gL/gG: 20 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       16 A         according UL       0perational current at AC according to UL 508/UL 60947-4-1         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL       7.5         60947-4-1 rated value       10		2.5 kA2.s
<ul> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 20 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 10 A</li> <li>operational current of upstream fuse rated value</li> <li>16 A</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1</li> <li>for A</li> <li>for value</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 10 A</li> <li>fuse gL/gG: 10 A</li> <li>for A</li> </ul>	• at 690 V for combination switch + gG fuse maximum	3 kA2.s
<ul> <li>for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A</li> <li>operational current of upstream fuse rated value 16 A</li> <li>according UL</li> <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 600 V</li> <li>60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 508/UL 7.5</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 10</li> </ul>	design of the fuse link	
operational current of upstream fuse rated value       16 A         according UL       0         operational current at AC according to UL 508/UL 60947-4-1       16 A         rated value       16 A         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1       7.5         active power [hp] at AC at 600 V according to UL 508/UL 10       10	<ul> <li>for short-circuit protection of the main circuit required</li> </ul>	fuse gL/gG: 20 A
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       10	• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1       16 A         rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         active power [hp] at AC at 480 V according to UL 508/UL       7.5         60947-4-1 rated value       7.5         active power [hp] at AC at 600 V according to UL 508/UL       10	operational current of upstream fuse rated value	16 A
rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       7.5         active power [hp] at AC at 480 V according to UL 508/UL       7.5         active power [hp] at AC at 600 V according to UL 508/UL       10	according UL	
60947-4-1 rated value       7.5         active power [hp] at AC at 480 V according to UL 508/UL       7.5         60947-4-1 rated value       10		16 A
60947-4-1 rated value         active power [hp] at AC at 600 V according to UL 508/UL       10		600 V
		7.5
		10

other Environment	
Confirmation UK CE CE-Konf.	
Confirmation UK CC	
General Product Approval	
provals Certificates	
• maximum	55 °C
• minimum	-25 °C
mbient temperature during storage	
• maximum	55 °C
• minimum	-25 °C
mbient temperature during operation	
vironmental conditions	
net weight	200 g
rail mounting	Yes
front mounting with central attachment	No
4-hole front mounting	No
astening method	
astening method	Built-in unit fixed-mounted version
ype of device	fixed mounting
lepth	77 mm
vidth	49 mm
eight	60 mm
echanical Design	
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
for main current circuit	box terminal
ype of electrical connection	
• stranded	2x (0.75 2.5 mm²), 1x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 1.5 mm²), 1x 2.5 mm²
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
ontacts	
• stranged ype of connectable conductor cross-sections for auxiliary	
<ul> <li>finely stranded with core end processing</li> <li>stranded</li> </ul>	1x (2.516 mm²) 1x (2.5 to 16 mm²)
solid     finally stranded with core and processing	1x (2.5 to 16 mm <sup>2</sup> )
ype of connectable conductor cross-sections for copper conductor	$1 \times (2.5 \pm 0.16 \text{ mm}^2)$
•	14
•	6
WG number as coded connectable conductor cross section solid maximum	
nnections	
ype of fuse according to UL	RK5
alue	
continuous current of upstream fuse according to UL rated	50 A

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

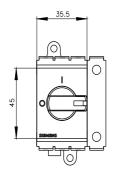
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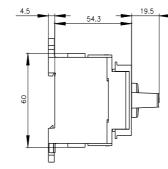
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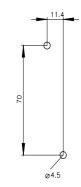
CAx-Online-Generator http://www.siemens.com/cax

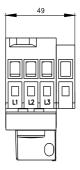
Tender specifications

http://www.siemens.com/specifications









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