## SIEMENS

## Data sheet

## 3LD2203-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, Iu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, front-mounted, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
design of the actuating element	Short rotary knob
color of the actuating element	red
design of handle	rotary operating mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	2
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	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP on the front	IP65
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 W
Main circuit	
operational current	
<ul> <li>at AC-21 at 690 V rated value</li> </ul>	32 A
<ul> <li>at AC-21 A at 240 V rated value</li> </ul>	32 A
<ul> <li>at AC-21 A at 400 V rated value</li> </ul>	32 A
<ul> <li>at AC-21 A at 440 V rated value</li> </ul>	32 A
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	22 A

operating power         eit AC-23 A at 240 V rated value         6 kW           eit AC-23 A at 400 V rated value         12 kW           eit AC-23 A at 690 V rated value         12 kW           eit AC-23 A at 690 V rated value         12 kW           eit AC-23 A at 690 V rated value         5 kW           eit AC-23 at 400 V rated value         5 kW           eit AC-3 at 400 V rated value         9 kW           eit AC-3 at 400 V rated value         9 kW           eit AC-3 at 600 V rated value         9 kW           eit AC-3 at 600 V rated value         9 kW           eit AC-3 at 600 V rated value         9 kW           eit AC-3 at 600 V rated value         9 kW           eit AC-3 at 600 V rated value         9 kW           eit AC-3 at 600 V rated value         9 kW           ordinacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           suitability         suitability for use         Fee           • main switch         Yes           • safety switch         Yes           product feature can be locked into OFF position         Yes <b>Product datails</b> No           number of	<ul> <li>at AC-23 A at 240 V rated value</li> <li>at AC-23 A at 400 V rated value</li> <li>at AC-23 A at 440 V rated value</li> <li>at AC-23 A at 690 V rated value</li> </ul>	
• at AC-23 A at 400 V rated value     12 kW       • at AC-23 A at 400 V rated value     115 kW       • at AC-23 A tat 400 V rated value     15 kW       • at AC-3 at 400 V rated value     55 kW       • at AC-3 at 400 V rated value     55 kW       • at AC-3 at 400 V rated value     95 kW <b>Auxiliary circuit</b> 0       number of CO contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       operating voltage of auxiliary contacts     0       operating voltage of auxiliary contacts     0       operating voltage of auxiliary contacts     0       osuitability for use     10 A       • suitability for use     10 A       • suitability for use     Yes       • add yes witch     Yes       • add yes witch     Yes       • add yes thigger     No       number of connectable NC contacts for auxiliary contacts    <	<ul> <li>at AC-23 A at 400 V rated value</li> <li>at AC-23 A at 440 V rated value</li> <li>at AC-23 A at 690 V rated value</li> </ul>	
	<ul><li>at AC-23 A at 440 V rated value</li><li>at AC-23 A at 690 V rated value</li></ul>	
• at AC-33 at at 690 V rated value             55 kW               • at AC-3 at 400 V rated value             55 kW               • at AC-3 at 400 V rated value             9.5 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               operating voltage of auxiliary contacts at AC maximum             500 V               contacts for auxiliary contact at AC value             10 A               insultation voltage of the auxiliary contact rated value             500 V               suitability for use             9               • main switch             Yes               • solid bility for use             Yes               • addresure can be locked into OFF position             Yes               exolid testine can be locked into OFF position             Yes               accessories             No               number of connectable NC contacts for auxiliary contacts             3               attachable maximum             3               • otolage trigger             No	• at AC-23 A at 690 V rated value	
• at AC-3 at 240 V rated value         5.5 kW           • at AC-3 at 240 V rated value         10 kW           • at AC-3 at 900 V rated value         9.5 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 at AC maximum         500 V           continuous current of the auxiliary contact rade value         500 V           Suitability         500 V           suitability for use         •           • main switch         Yes           • witch disconnector         Yes           • MEREGENCY OFF switch         Yes           • maintenance/repair switch         Yes           product details         Ves           product details         No           product details         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connect		
• at AC-3 at 400 V rated value         10 kW           • at AC-3 at 600 V rated value         9.5 kW           AxxIIary circuit         0           number of CC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts         0           operating voltage of the auxiliary contacts         0           continuous current of the auxiliary contacts         0           operating voltage of the auxiliary contact rated value         500 V           Suitability         500 V           Suitability         500 V           Suitability         500 V           switch disconnector         Yes           • main switch         Yes           • safety switch         Yes           • maintenance/repair switch         Yes           product details         No           product detarison optional         No           • ontartor drive         No           • voltage trigger         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3		
• at AC-3 at 690 V rated value     9.5 kW       Auxiliary circuit     •       number of AC contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       operating voltage of auxiliary contacts     0       operating voltage of auxiliary contacts     0       continuous current of the auxiliary contact rated value     10 A       insulation voltage of the auxiliary switch rated value     500 V       Suitability     500 V       suitability for use     Yes       • main switch     Yes       • estict disconnector     Yes       • estict disconnector     Yes       • estict disconnector     Yes       • safety switch     Yes       • main switch     Yes       • estict disconnector     Yes       • estict disconnector     Yes       • accessories     •       product feature can be locked into OFF position     Yes       accessories     •       product extension optional     No       • notor drive     No       • number of connectable NC contacts for auxiliary contacts attachable maximum     3       attachable maximum     3       number of bracket locks maximum     3       number of bracket locks maximum     4.5 kA       i at 690 V by gG fuse rated value		
number of CO contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       operating voltage of auxiliary contacts     0       operating voltage of auxiliary contacts 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 or use     9       • main switch     Yes       • switch disconnector     Yes       • switch disconnector     Yes       • analinenance/repair switch     Yes       Product details     7       product feature can be locked into OFF position     Yes       • adapt trigger     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of bracket locks maximum     3       number of bracket locks maximum     4 8 mm       Short circuit     50 kA       elet-through current with line-side fuse protection     45 kA       • at 480 V br combination switch + gG fuse maximum		
number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contact AC maximum         500 V           continuous current of the auxiliary contact rated value         10 A           insulation voltage of auxiliary switch rated value         500 V           Suitability         500 V           suitability         500 V           suitability for use         -           • main switch         Yes           • switch disconnector         Yes           • EMERGENCY OFF switch         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           product details         -           product details         -           product detaure can be locked into OFF position         Yes           accessories         -           product details         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         -           number of connectable CO contacts for auxiliary contacts         3           attachable maximum         -           number of connectable CO conta	Auxiliary circuit	
number of NO contacts for auxiliary contacts     0       operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value     500 V       sultability     10 A       sultability     500 V       Product faiture can be locked into OFF position     Yes       Product faiture can be locked into OFF position     Yes       accessories     No     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     No     No       number of connectable NC contacts for auxiliary co	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contact rated value         500 V           insulation voltage of the auxiliary switch rated value         10 A           source         500 V           Suitability         500 V           suitability for use         500 V           • main switch         Yes           • switch disconnector         Yes           • safety switch         Yes           • antinenance/repair switch         Yes           • antinenance/repair switch         Yes           • main switch         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           • motor drive         No           • voltage trigger         No           • woltage trigger         No           • undbor drive         No           • undbor drive         No           • undbor down         3           number of connectable NC contacts for auxiliary contacts attachable maximum         3           number of connectable CO contacts for auxiliary contacts attachable maximum         3           number of bracket locks maximum         3           hasp thickness of the bracket locks         4 8 mm           Sort circuit         50 kA	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value       10 A         insulation voltage of the auxiliary switch rated value       500 V         Suitability       switch disconnector       Yes         • main switch       Yes         • switch disconnector       Yes         • switch disconnector       Yes         • switch disconnector       Yes         • safety switch       Yes         • maintenance/repair switch       Yes         Product details	number of NO contacts for auxiliary contacts	0
insulation voltage of the auxiliary switch rated value     500 V       Suitability     suitability for use       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       Product details     Forduct details       product details     No       • woltage trigger     No       • voltage trigger     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts attachable maximum     3       number of connectable NC contacts for auxiliary contacts attachable maximum     3       number of bracket locks maximum     3       hasp thickness of the bracket locks     4 8 mm       Short circuit     50 kA       Iet-through current with line-side fuse protection     4.5 kA       • at 4690 V for combination switch + gG fuse maximum permissible     5. kA	operating voltage of auxiliary contacts at AC maximum	500 V
Suitability         suitability for use         • main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes         Product details       product feature can be locked into OFF position         yes       Product details         product feature can be locked into OFF position       Yes         accessories       No         product feature can be locked into OFF auxiliary contacts       3         attachable maximum       No         number of connectable NC contacts for auxiliary contacts       3         attachable maximum       3         number of connectable NO contacts for auxiliary contacts       0         attachable maximum       3         number of bracket locks maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       50 kA         let-through current with line-side fuse       50 kA         let-through current with closed switch       4.5 kA         • at 800 V by G fuse rated value       50 kA         let-through current with closed switch       4	-	
suitability for use     Yes       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • maintenance/repair switch     Yes       Product details     Yes       product feature can be locked into OFF position     Yes       accessories     Yes       product extension optional     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     3       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     3       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     1       attachable maximum     3       number of bracket locks maximum     3       hasp thickness of the bracket locks     4       Short circuit     50 kA       external     45 kA       • at 490 V for combination switch + gG fuse maximum     4.5 kA       • at 490 V for combination switch + gG fuse maximum     4.5 kA       • at 490 V for combination switch + gG fuse maximum     4.5 kA		500 V
• main switchYes• switch disconnectorYes• EMERGENCY OFF switchYes• safety switchYes• maintenance/repair switchYesProduct detailsYesproduct feature can be locked into OFF positionYesaccessoriesproduct extension optionalNo• woltage triggerNo• number of connectable NC contacts for auxiliary contacts3attachable maximum3• number of connectable NC contacts for auxiliary contacts3attachable maximum3• number of connectable NC contacts for auxiliary contacts3attachable maximum3• number of connectable NC contacts for auxiliary contacts3attachable maximum3• number of connectable NC contacts for auxiliary contacts3attachable maximum3• number of bracket locks maximum3• hasp thickness of the bracket locks4 8 mm• at 690 V by gG fuse rated value50 kA• at 490 V for combination switch + gG fuse maximum4.5 kA• at 400 V for combination switch + gG fuse maximum4.5 kA• at 400 V for combination switch + gG fuse maximum5 kA		
• switch disconnectorYes• EMERGENCY OFF switchYes• safety switchYes• maintenance/repair switchYesproduct detailsYesproduct feature can be locked into OFF positionYesaccessoriesproduct extension optionalNo• motor driveNo• voltage triggerNonumber of connectable NC contacts for auxiliary contacts3attachable maximum3number of connectable NC contacts for auxiliary contacts4attachable maximum3number of bracket locks maximum3hasp thickness of the bracket locks4brot circuit50 kAlet-through current with line-side fuse protection50 kAe at 890 V by gG fuse rated value50 kAi et 440 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 440 V for combination switch + gG fuse maximum5 kA	-	
• EMERGENCY OFF switchYes• safety switchYes• maintenance/repair switchYesProduct detailsYesproduct feature can be locked into OFF positionYesaccessoriesaccessoriesproduct extension optionalNo• motor driveNo• voltage triggerNonumber of connectable NC contacts for auxiliary contacts3attachable maximum3number of connectable NC contacts for auxiliary contacts3attachable maximum3number of connectable CO contacts for auxiliary contacts3attachable maximum3number of connectable CO contacts for auxiliary contacts3attachable maximum3number of connectable CO contacts for auxiliary contacts4attachable maximum4number of connectable CO contacts for auxiliary contacts1attachable maximum3number of connectable CO contacts for auxiliary contacts1attachable maximum3number of bracket locks4bast trickness of the bracket locks4bast trickness of the bracket locks50 kAe at 690 V by gG fuse rated value50 kAlet-through current with closed switch4.5 kA• at 440 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA		
• safety switchYes• maintenance/repair switchYesProduct detailsYesproduct feature can be locked into OFF positionYesaccessoriesYesproduct extension optionalNo• motor driveNo• voltage triggerNonumber of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable CO contacts for auxiliary contacts attachable maximum3number of bracket locks4 8 mmShort circuit50 kAlet-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible4.5 kA• at 440 V for combination switch + gG fuse maximum permissible50 kA		
• maintenance/repair switch       Yes         Product details       product feature can be locked into OFF position       Yes         accessories       accessories         product extension optional       No         • motor drive       No         • voltage trigger       No         number of connectable NC contacts for auxiliary contacts attachable maximum       3         number of connectable NO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of connectable CO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       4         number of connectable CO contacts for auxiliary contacts attachable maximum       3         number of bracket locks maximum       3         has thickness of the bracket locks       4 8 mm         Short circuit       current with line-side fuse protection         • at 690 V by gG fuse rated value       50 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 440 V for combination switch + gG fus		
Product details         product feature can be locked into OFF position       Yes         accessories       Product extension optional            • motor drive         • voltage trigger         No         voltage trigger         No         rumber of connectable NC contacts for auxiliary contacts         attachable maximum         number of connectable NO contacts for auxiliary contacts         attachable maximum         number of connectable NO contacts for auxiliary contacts         attachable maximum         number of connectable CO contacts for auxiliary contacts         attachable maximum         number of bracket locks         4 8 mm         Short circuit         conditional short-circuit current with line-side fuse         protection         • at 690 V by gG fuse rated value         eat 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • by for combination switch + gG fuse maximum         • by for combination switch + gG fuse maximum         • by for combination switch + gG fuse maximum         • by for combination switch + gG fuse maximum	-	
product feature can be locked into OFF position       Yes         accessories       product extension optional       No         • motor drive       No       No         • voltage trigger       No       No         number of connectable NC contacts for auxiliary contacts attachable maximum       3       3         number of connectable NO contacts for auxiliary contacts attachable maximum       0       0         number of connectable CO contacts for auxiliary contacts attachable maximum       3       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0       0         number of bracket locks maximum       3       4 8 mm         Short circuit       50 kA       50 kA         Iet-through current with line-side fuse protection       4.5 kA       4.5 kA         • at 690 V by gG fuse rated value       50 kA       4.5 kA         • at 690 V for combination switch + gG fuse maximum       4.5 kA       5. kA         • at 690 V for combination switch + gG fuse maximum       5. kA       5. kA		
accessories         product extension optional         • motor drive       No         • voltage trigger       No         number of connectable NC contacts for auxiliary contacts attachable maximum       3         number of connectable NO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       50 kA         let-through current with line-side fuse protection       6         • at 690 V by gG fuse rated value       50 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum permissible       5 kA		Ves
product extension optional       No         • motor drive       No         • voltage trigger       No         number of connectable NC contacts for auxiliary contacts attachable maximum       3         number of connectable NO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of connectable CO contacts for auxiliary contacts attachable maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       50 kA         let-through current with line-side fuse protection       • at 690 V by gG fuse rated value         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA		
• motor driveNo• voltage triggerNonumber of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable NO contacts for auxiliary contacts attachable maximum3number of connectable CO contacts for auxiliary contacts attachable maximum0number of connectable CO contacts for auxiliary contacts attachable maximum3number of bracket locks maximum3number of bracket locks maximum3number of bracket locks maximum4Short circuit50 kAIet-through current with line-side fuse protection50 kAiet 490 V by gG fuse rated value50 kAiet 440 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum4.5 kAiet 460 V for combination switch + gG fuse maximum permissible4.5 kA		
• voltage triggerNonumber of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable NO contacts for auxiliary contacts attachable maximum3number of connectable CO contacts for auxiliary contacts attachable maximum0number of bracket locks maximum3number of bracket locks maximum4 8 mmShort circuit50 kAIet-through current with line-side fuse protection50 kA• at 690 V by gG fuse rated value50 kAIet-through current with closed switch • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • 5 kA4 8 km		No
number of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable NO contacts for auxiliary contacts attachable maximum3number of connectable CO contacts for auxiliary contacts attachable maximum0number of connectable CO contacts for auxiliary contacts attachable maximum0number of bracket locks maximum3hasp thickness of the bracket locks4 8 mmShort circuit50 kAconditional short-circuit current with line-side fuse protection50 kAlet-through current with closed switch4.5 kA• at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum4.5 kA• at 690 V for combination switch + gG fuse maximum permissible5 kA		
number of connectable NO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of bracket locks maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       conditional short-circuit current with line-side fuse protection         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA		
attachable maximum0number of connectable CO contacts for auxiliary contacts attachable maximum0number of bracket locks maximum3hasp thickness of the bracket locks4 8 mmShort circuitconditional short-circuit current with line-side fuse protection• at 690 V by gG fuse rated value50 kAlet-through current with closed switch4.5 kA• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA		
attachable maximum3number of bracket locks maximum3hasp thickness of the bracket locks4 8 mmShort circuitconditional short-circuit current with line-side fuse protection• at 690 V by gG fuse rated value50 kAlet-through current with closed switch50 kA• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum4.5 kA• at 690 V for combination switch + gG fuse maximum5 kA		5
hasp thickness of the bracket locks       4 8 mm         Short circuit       conditional short-circuit current with line-side fuse protection         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       50 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA		0
Short circuit         conditional short-circuit current with line-side fuse protection         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA	number of bracket locks maximum	
conditional short-circuit current with line-side fuse protection       50 kA         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA		4 8 mm
protection       50 kA         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       4.5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA		
<ul> <li>at 690 V by gG fuse rated value</li> <li>bet-through current with closed switch</li> <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>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combination switch + gG fuse maximum</li> <li>bet 690 V for combi</li></ul>		
<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>permissible</li> </ul>	•	50 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul>	<ul> <li>at 690 V by gG fuse rated value</li> </ul>	
at 690 V for combination switch + gG fuse maximum 5 kA     permissible		
permissible	let-through current with closed switch	4.5 kA
I2t value with closed switch	<ul><li>let-through current with closed switch</li><li>at 240 V for combination switch + gG fuse maximum</li></ul>	
	<ul> <li>let-through current with closed switch</li> <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 permissible</li> </ul>	4.5 kA
	<ul> <li>let-through current with closed switch</li> <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 permissible</li> <li>l2t value with closed switch</li> </ul>	4.5 kA 5 kA
	<ul> <li>let-through current with closed switch</li> <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 permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	4.5 kA 5 kA 9 kA2.s
	<ul> <li>let-through current with closed switch</li> <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 permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s
• for short-circuit protection of the main circuit fuse gL/gG: 40 A	<ul> <li>let-through current with closed switch</li> <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 permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	4.5 kA 5 kA 9 kA2.s
• for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A	<ul> <li>let-through current with closed switch</li> <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>permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 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> </ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s
operational current of upstream fuse rated value 40 A	<ul> <li>let-through current with closed switch</li> <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>permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 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>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch</li> </ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s fuse gL/gG: 40 A
according UL	<ul> <li>let-through current with closed switch</li> <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>permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 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>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s fuse gL/gG: 40 A fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947- 4-1 rated value 32 A	<ul> <li>let-through current with closed switch</li> <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>permissible</li> <li>l2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 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>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> </ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s fuse gL/gG: 40 A fuse gL/gG: 10 A
operating voltage at AC at 50/60 Hz according to UL 600 V 508/UL 60947-4-1 rated value	<ul> <li>let-through current with closed switch <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>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 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>design of the fuse link <ul> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>operational current of upstream fuse rated value</li> </ul></li></ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s fuse gL/gG: 40 A fuse gL/gG: 10 A 40 A
active power [hp] at AC at 480 V according to UL 508/UL 20 60947-4-1 rated value	<ul> <li>let-through current with closed switch <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>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul> </li> <li>l2t value with closed switch <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 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>design of the fuse link <ul> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> </ul> </li> <li>according 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</li> </ul> </li> </ul></li></ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s fuse gL/gG: 40 A fuse gL/gG: 10 A 40 A 32 A
active power [hp] at AC at 600 V according to UL 508/UL 20 60947-4-1 rated value	<ul> <li>let-through current with closed switch <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>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul> </li> <li>l2t value with closed switch <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 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>design of the fuse link <ul> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>operational current of upstream fuse rated value</li> </ul> </li> <li>according 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>active power [hp] at AC at 480 V according to UL 508/UL</li> </ul></li></ul>	4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s fuse gL/gG: 40 A fuse gL/gG: 10 A 40 A 32 A 600 V

short-time withstand current (SCCR) at 600 V accord	ding to 5 kA
UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL value	_ rated 80 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross	S
section solid	
maximum	8
minimum	14
type of connectable conductor cross-sections for cop conductor	oper
• solid	1x (1,516mm²)
<ul> <li>finely stranded with core end processing</li> <li>stranded</li> </ul>	1x (1,510mm²) 1x (1,516mm²)
type of connectable conductor cross-sections for au	
contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup>
stranded	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	83 mm
width	67 mm
depth	92.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
<ul> <li>4-hole front mounting</li> </ul>	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
<ul> <li>rail mounting</li> </ul>	No
net weight	205 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
General Product Approval	
Confirmation	Miscellaneous
General Product	
Approval Declaration of Conformity	Test Certificates Marine / Shipping
LUL AR	C C Special Test Certific-
tiil čà	EG-Konf. LRS PRS
Marine / Shipping other	Environment



**Confirmation** 

**Miscellaneous** 

Environmental Confirmations

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3LD2203-0TK53

- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
- https://support.industry.siemens.com/cs/ww/en/ps/3LD2203-0TK53

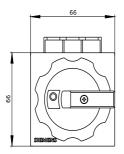
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <u>http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2203-0TK53</u>

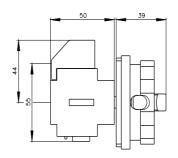
CAx-Online-Generator

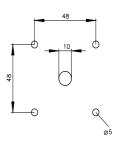
http://www.siemens.com/cax

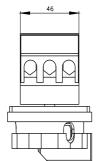
Tender specifications

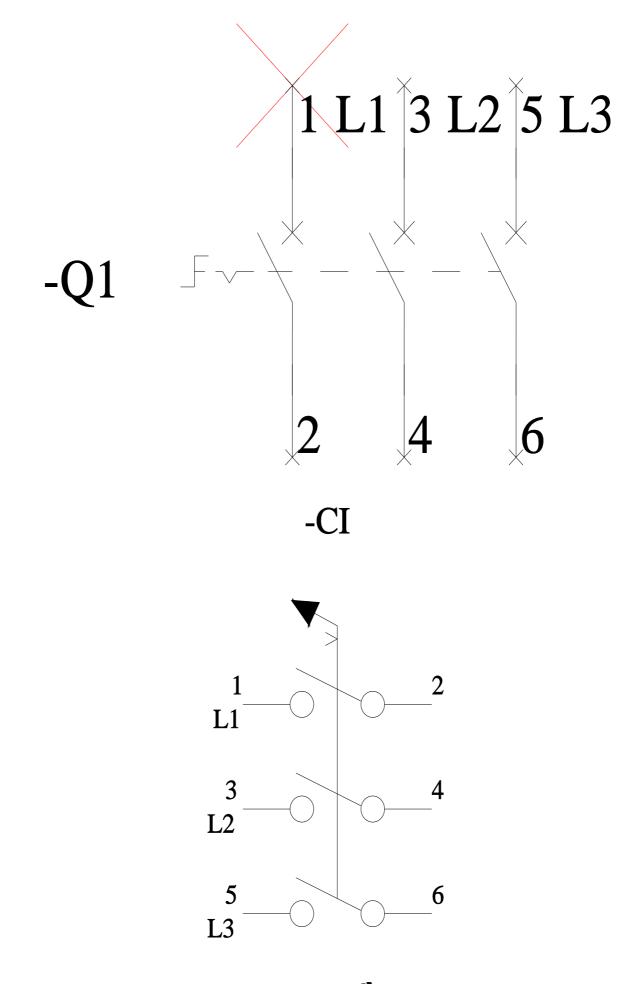
http://www.siemens.com/specifications











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4/28/2022 🖸