## SIEMENS

## Data sheet

## 3LD2203-1TL51



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, front-mounted, rotary operating mechanism, black, 4-hole mounting of the handle

Model			
product brand name	SENTRON		
product designation	3LD Switch disconnector		
design of the product	Main switch		
display version / for switch position indicator manual operation	1 ON - 0 OFF		
design of the actuating element	Short rotary knob		
design of handle	rotary operating mechanism, black		
type of the driving mechanism / motor drive	No		
General technical data	General technical data		
number of poles	4		
type of device	fixed mounting		
type of switch	front mounted		
size of switch disconnector	2		
mechanical service life (switching cycles) / typical	100 000		
electrical endurance (switching cycles)			
• at AC-23 A / at 690 V	6 000		
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	9 kA2.s		
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	9 kA2.s		
operating frequency / maximum	50 1/h		
Voltage			
insulation voltage / rated value	690 V		
surge voltage resistance / rated value	6 kV		
Protection class			
protection class IP	IP65		
degree of protection NEMA rating	1, 3R, 4X, 12		
protection class IP / on the front	IP65		
Dissipation			
power loss [W]			
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	1.8 W		
<ul> <li>per conductor / typical</li> </ul>	2 W		
Current			
operational current			
• at 40 °C / rated value	32 A		
• at 45 °C / rated value	32 A		
• at 50 °C / rated value	32 A		
• at 55 °C / rated value	32 A		

		00.4
	• at AC / rated value	32 A
• at AC-21 A/ at 240 V /rated value     32 A       • at AC-21 A/ at 240 V /rated value     40 A       ItsEnrough current / with closed switch     40 A       ItsEnrough current / with closed switch     40 A       • at 400 V / for combination switch + gG fuse /     5 kA       maximum     • at 600 V / for combination switch + gG fuse /     5 kA       operating power     • at AC-23 A / at 240 V /rated value     6 kW       • at AC-23 A / at 240 V /rated value     1 kKW     8 A/C-23 A / at 240 V /rated value       • at AC-23 A / at 240 V /rated value     1 kKW     8 A/C-23 A / at 240 V /rated value       • at AC-23 A / at 240 V /rated value     1 kKW     8 A/C-23 A / at 240 V /rated value       • at AC-23 A / at 240 V /rated value     1 kKW     8 A/C-23 A / at 240 V /rated value       • at AC-3 A / at 240 V /rated value     1 kKW     8 A/C-23 A / at 34 V / rated value       • at AC-3 A / at 400 V /rated value     2 kW     8 A/C-23 A / at 34 V / rated value       • at AC-3 / at 400 V / rated value     5 kW     8 A/C-23 A / at 40 V /rated value       • at AC-3 / at 400 V / rated value     2 kW     8 A/C-23 A/ at 40 V /rated value       • at AC-3 / at 400 V / rated value     3 A/C-23 A/C-2		
operational current / of upstream fuse / rated value         40 A           let-Hrough current / with closed switch         40 A           let-Hrough current / with closed switch         96 fuse /           at 600 V / for combination switch + gG fuse /         4.5 kA           maximum permissible         5 kA           value circuit         6 kW           operating power         at AC-23 A / at 240 V / rated value           at AC-23 A / at 240 V / rated value         12 kW           at AC-23 A / at 240 V / rated value         12 kW           at AC-23 A / at 240 V / rated value         12 kW           at AC-23 A / at 400 V / rated value         12 kW           at AC-23 A / at 400 V / rated value         12 kW           at AC-23 A / at 400 V / rated value         12 kW           at AC-23 A / at 400 V / rated value         10 kW           at AC-23 A / at 400 V / rated value         10 kW           operational current / rated value         10 kW           operating value contacts / for auxillary contacts         0           number of NC contacts / for auxillary contacts         0           number of NC contacts / for auxillary contacts         0           operating value / of the auxillary contacts         0           solutability for use         10 A           estability		
Iet-Incugh current / with closed witch:       4.5 KA         extension:       extension:         ex		
	·	40 A
maximum       • at 600 / / for combination switch + gG fuse /       5 kA         Main Circuit       • at AC-23 A / at 400 / / rated value       6 kW         • at AC-23 A / at 400 / / rated value       12 kW         • at AC-23 A / at 400 / / rated value       11.5 kW         • at AC-23 A / at 400 / / rated value       12 kW         • at AC-23 A / at 400 / / rated value       15.6 kW         • at AC-32 A / at 400 / / rated value       5.6 kW         • at AC-32 A / at 400 / / rated value       5.6 kW         • at AC-32 A / at 400 / / rated value       5.6 kW         • at AC-32 A / at 400 / / rated value       5.6 kW         • at AC-32 / at 400 / / rated value       5.6 kW         • at AC-32 / at 400 / / rated value       5.6 kW         • at AC-32 / at 400 / rated value       5.6 kW         • at AC-32 / at 400 / rated value       0         • at AC-32 / rated value       0.6 kW         • at AC-32 / rated value       0.6 kW         • at AC-32 / rated value       0.0 kW         • at AC-32	-	15 kA
maximum permissible       Main circuit       • at AC-23 A / at 20 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 400 V / rated value       • at AC-3 A / at 600 V / rated value       • at AC-3 / at 23 V / rated value       • at AC-3 / at 240 V / rated value       • at AC-3 / at 240 V / rated value       • at AC-3		4.5 M
maximum permissible       Main circuit       • at AC-23 A / at 20 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 400 V / rated value       • at AC-3 A / at 600 V / rated value       • at AC-3 / at 23 V / rated value       • at AC-3 / at 240 V / rated value       • at AC-3 / at 240 V / rated value       • at AC-3	<ul> <li>at 690 V / for combination switch + gG fuse /</li> </ul>	5 kA
operating power <ul> <li>at AC-23 A / at 240 V / rated value</li> <li>bt AV</li> <li>at AC-23 A / at 400 V / rated value</li> <li>ta AC-23 A / at 400 V / rated value</li> <li>ta AC-23 A / at 400 V / rated value</li> <li>ta AC-23 A / at 600 V / rated value</li> <li>ta AC-23 A / at 600 V / rated value</li> <li>ta AC-23 A / at 600 V / rated value</li> <li>ta AC-23 A / at 600 V / rated value</li> <li>ta AC-23 A / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-23 / at 600 V / rated value</li> <li>ta AC-24 / rated value</li> <lita ac-24="" li="" rated="" value<=""> <lita ac-24="" rated="" td="" va<=""><td></td><td></td></lita></lita></ul>		
• ai AC-23 A / at 400 V / rated value     6 kW       • ai AC-23 A / at 400 V / rated value     15 kW       • ai AC-23 A / at 400 V / rated value     15 kW       • ai AC-23 / at 400 V / rated value     15 kW       • ai AC-3 / at 400 V / rated value     15 kW       • ai AC-3 / at 400 V / rated value     15 kW       • ai AC-3 / at 400 V / rated value     5 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     9 kW       • ai AC-3 / at 400 V / rated value     0 ////////////////////////////////////	Main circuit	
	operating power	
	<ul> <li>at AC-23 A / at 240 V / rated value</li> </ul>	6 kW
• at AC-23 / at 260 V / rated value         12 kW           • at AC-3 / at 240 V / rated value         5.5 kW           • at AC-3 / at 260 V / rated value         9.5 kW           • operational current / rated value         9.5 kW           operating voltage / of auxiliary contacts         0           number of NO contacts / for auxiliary contacts         0           or operating voltage / of the auxiliary contacts         0           continuous current / of the auxiliary contacts         0 A           insulation voltage / of the auxiliary contact / rated value         500 V           suitability         500 V           suitability         500 V           suitability         500 V           suitability         500 V           suitability for use         •           • anin switch         Yes           • anine locked into OFF position         Yes           • control of the auxiliary contact / Yes         •           otor / of the actuating element         black           Product feature         •           oconer locked into OFF position         Yes	<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	12 kW
• at AC-3 / at 240 V / rated value         5.5 kW           • at AC-3 / at 90 V / rated value         10 kW           • et AC-3 / at 90 V / rated value         32 A           Auxiliary circuit         32 A           number of C0 contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0           operating voltage / of auxiliary contacts         0           operating voltage / of the auxiliary contacts         0           continuous current / of the auxiliary contacts / a lAC / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           suitability for use         •           • nain switch         Yes           • saints witch         Yes           • anian switch         Yes           • anian switch         Yes           • anian switch         Yes           • anian blocked into OFF position         Yes           • anian blocked into OFF position         Yes           number of bracket locks / maximum         3           number of bracket locks / maximum         3 mm           product detaries         position           • otals block indroxen	<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	11.5 kW
• at AC-3 / at 900 V / rated value         10 kW           • at AC-3 / at 900 V / rated value         9.5 kW           operational current / rated value         9.5 kW           number of CO contacts / for auxiliary contacts         0           number of NO contacts / for auxiliary contacts         0           number of NO contacts / for auxiliary contacts         0           orgerating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         500 V           Suitability         500 V           suitability for use         •           • main switch         Yes           • witch disconnector         Yes           • witch disconnector         Yes           • maintenance/repair switch         Yes           • maintenance/repair switch         Yes           ord / of the aduating element         black           Product details         Product details           product feature         • can be locked into OFF position         Yes           • can be locked into OFF position         Yes           • number of bracket locks / maximum         8 mm           product feature         • olary drive         No           • olary drive         No         •	<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	12 kW
• at AC-3 / at 690 V / rated value         9.5 kW           operational current / rated value         32 A           Axiliary circuit         •           number of NC contacts / for auxiliary contacts         0           operating voltage / of auxiliary contacts         0           operating voltage / of the auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           Suitability         •           suitability for use         •           •         •           •         •           suitability for use         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •           •         •	<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	5.5 kW
operational current / rated value         32 A           Auxiliary circuit	• at AC-3 / at 400 V / rated value	10 kW
Auxiliary circuit         Image of CO contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         0         0           operating voltage / of auxiliary contact / at AC / maximum         500 V         0           continuous current / of the auxiliary contact / rated value         10 A         10 A           insulation voltage / of the auxiliary contact / rated value         500 V         0           Statishity         suitability         500 V         500 V           Suitability         suitability for use         10 A         10 A           insulation voltage / of the auxiliary switch / rated value         500 V         500 V           Suitability         suitability         switch disconnector         Yes           • main switch         Yes         •         •           • and switch         Yes         •         •           • and switch         Yes         •         •           • oral be locked into OFF switch         Yes         •         •           • oral be locked into OFF position         Yes         •         •           • oral be locked into OFF position         Yes         •         •           • and block for drive         No         •         •         • <td></td> <td></td>		
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 / rated value         500 V           insulation voltage / of the auxiliary switch / rated value         500 V           Suitability         500 V           suitability         500 V           Suitability         500 V           switch disconnector         Yes           • EMERGENCY OFF switch         No           • adety switch         Yes           • color / of the acutating element         Yes           Product details         7           product feature         6           • can be locked into OFF position         Yes           number of bracket locks / maximum         3           hasp thickness / of the bracket locks / maximum         8 mm           product feature         No           • voltage trigger         No           Short circuit         0           conditional short-circuit current / with line-side fuse protection         90 k           • ot 50 V / by gG fuse / rated value         50 kA           active power (hpl / at AC / according to UL 50 k/UL 60047.4-1 / rated value		32 A
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 auxiliary switch / rated value         500 V           Suitability         suitability           suitability for use         Yes           • main switch         Yes           • switch disconnector         Yes           • mainterance/repair switch         Yes           • mainterance/repair switch         Yes           • color / of the actuating element         black           Product feature         e           • on be locked into OFF position         Yes           number of bracket locks / maximum         3           nasp thickness / of the bracket locks / maximum         3           nasp thickness / of the bracket locks / maximum         8 mm           product extension / optional         No           • ondor drive         No           • oldtage trigger         No           Short circuit         20 A           Gold V         32 A           Gold V         32 A           Gold V         32 A	Auxiliary circuit	
number of NO contacts / for auxiliary contacts         0           operating voltage / of auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           Suitability         Yes           • Main switch         Yes           • Switch disconnector         Yes           • EMERGENCY OFF switch         No           • safety switch         Yes           Appearance         Color / of the actualing element         black           Product detauls         product detauls         product detauls           product detaure         4 mm         hasp thickness / of the bracket locks / maximum         3           • nable bicked into OFF position         Yes         No         Sout circuit           • cache bocked into OFF position         Yes         N	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           insulation voltage / of the auxiliary switch / rated value         500 V           Suitability         745           suitability         745      <	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     suitability       suitability for use     • main switch       • switch disconnector     Yes       • switch disconnector     Yes       • switch disconnector     Yes       • afety switch     Yes       • maintenance/repair switch     Yes       • maintenance/repair switch     Yes       Appearance     color / of the actuating element       Product details     product feature       • can be locked into OFF position     Yes       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     8 mm       product extension / optional     • notor drive       • voltage trigger     No       Short circuit     Conditional stort-circuit current / with line-side fuse       productional stort-circuit current / with line-side fuse     50 kA       according UL     600 V       operational current / at AC / a coording to UL     50 kA       according UL     20       operational current / at AC / a teording to UL     20       Stabult, 60947-4-1 / rated value     20       sould abit, 600 V / according to UL     20       Stabult, 60947-4-1 / rated value	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          • switch disconnector       Yes          • switch disconnector       Yes          • switch disconnector       Yes          • safety switch       Yes          • maintenance/repair switch       Yes           Yes             color / of the actuating element         black            product details         product details           product details        Yes         anmber of bracket locks / maximum           hasp thickness / of the bracket locks / maximum        3         hasp thickness / of the bracket locks / maximum           in ontor drive         No         No         Sonot circuit           conditional short-circuit current / with line-side fuse       protection         50 kA         door V           conditional short-circuit current / with line-side fuse       protection         sot A         door V           corditional current / at AC / a	operating voltage / of auxiliary contacts / at AC / maximum	500 V
Suitability       suitability       suitability for use       • main switch       • switch disconnector       Yes       • EMERGENCY OFF switch       • maintenance/repair switch       Yes       color / of the actuating element       black       Product details       product details       product feature       • can be locked into OFF position       Yes       number of bracket locks / maximum       hasp thickness / of the bracket locks / maximum       product extension / optional       • motor drive       • voltage trigger       No       Short circuit       coording UL       operating voltage / rate value       according UL       operating voltage / rate value       active power (hp) / rat AC / at 50/60 Hz / according to UL       508/UL 60947-4-1 / rated value       active power (hp) / rat AC / at 600 V / according to UL       508/UL 60947-4-1 / rated value       active power (hp) / rat AC / at 600 V / according to UL       508/UL 60947-4-1 / rated value       short-time withstand current (SCCR) / at 600 V / according to UL       508/UL 60947-4-1 / rated value		10 A
suitability for use     Yes       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       color / of the actuating element     black       Product details     product details       product details     rumber of bracket locks / maximum       1 number of bracket locks / maximum     3       1 hasp thickness / of the bracket locks / minimum     4 mm       1 hasp thickness / of the bracket locks / maximum     8 mm       product details     No       • outor drive     No       • oldige trigger     No       Short circuit     Conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value     50 kA       according UL     32 A       operational current / at AC / at coording to UL 508/UL 60947-4-1 / rated value       active power (hp) / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value       active power (hp) / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value       active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value		500 V
	Suitability	
• switch disconnector     Yes       • EMERGENCY OFF switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       Appearance     color / of the actuating element     black       Product datalis     product datalis       product feature     • can be locked into OFF position     Yes       • unmber of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     8 mm       product etriger     No       • onotor drive     No       • ovoltage trigger     No       Short circuit     Conditional short-circuit current / with line-side fuse protection       • at 680 V / by gG fuse / rated value     50 kA       according UL     32 A       operational current / at AC / according to UL 508/UL     600 V       508/UL 60947-4-1 / rated value     600 V       active power [hp] / at AC / at 480 V / according to UL 508/UL     20       508/UL 60947-4-1 / rated value     20       soluL 60947-4-1 / rated value     20	suitability for use	
• EMERGENCY OFF switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       Appearance        color / of the actuating element     black       Product details        product feature     • can be locked into OFF position       • can be locked into OFF position     Yes       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / maximum     8 mm       product extension / optional     •       • motor drive     No       • voltage trigger     No       Short circuit     So kA       according UL     32 A       operational current / at AC / at 50/60 Hz / according to UL     32 A       608 V / by gG fuse / rated value     600 V       operating voltage / at AC / at 50/60 Hz / according to UL     20       508/UL 60947-4-1 / rated value     20       soBvUL 60947-4-1 / rated value     20		Yes
safety switch Yes     maintenance/repair switch Yes     maintenance/repair switch Yes     Appearance     color / of the actuating element black     Product details     product feature         e can be locked into OFF position Yes     number of bracket locks / maximum 3     hasp thickness / of the bracket locks / maximum 8     map thickness / of the bracket locks / maximum 8     motor drive         voltage trigger No     Short circuit     conditional short-circuit current / with line-side fuse     protection         e at 680 V / by gG fuse / rated value 50 kA     according UL     operational current / at AC / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL	<ul> <li>switch disconnector</li> </ul>	Yes
maintenance/repair switch Yes  Appearance color / of the actuating element black  Product details  product details  product feature      ocan be locked into OFF position     rumber of bracket locks / maximum     asp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     ornotr drive         voltage trigger         No      Short circuit  conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         50 kA  according UL  operating voltage / at AC / at 50/60 Hz / according to UL         508/UL         6047-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 600 V / acccording to UL         508/UL         60947-4-1 / rated value		No
Appearance       color / of the actuating element     black       Product details       product feature	-	
color / of the actuating element     black       Product details       product feature       • can be locked into OFF position       number of bracket locks / maximum       1 hasp thickness / of the bracket locks / minimum       4 mm       hasp thickness / of the bracket locks / maximum       8 mm       product extension / optional       • motor drive       • voltage trigger       No       Short circuit       conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value       50 kA       according UL       operational current / at AC / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       active power [hp] / at AC / at 600 V / acco	maintenance/repair switch	Yes
Product details         product feature         • can be locked into OFF position         number of bracket locks / maximum         3         hasp thickness / of the bracket locks / minimum         4 mm         hasp thickness / of the bracket locks / maximum         8 mm         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse         protection         • at 690 V / by gG fuse / rated value         50 kA         according UL         operational current / at AC / according to UL 508/UL         60947-4-1 / rated value         active power [hp] / at AC / at 50/60 Hz / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL	Appearance	
product feature     Yes       • can be locked into OFF position     Yes       number of bracket locks / maximum     3       hasp thickness / of the bracket locks / minimum     4 mm       hasp thickness / of the bracket locks / maximum     8 mm       product extension / optional     • motor drive       • motor drive     No       • voltage trigger     No       Short circuit     Conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value     50 kA       according UL     goerational current / at AC / according to UL 508/UL       operational current / at AC / according to UL     32 A       ooperating voltage / at AC / at 50/60 Hz / according to UL     600 V       SoB/UL 60947-4-1 / rated value     20       active power [hp] / at AC / at 480 V / according to UL     20       SoB/UL 60947-4-1 / rated value     20	color / of the actuating element	black
• can be locked into OFF position       Yes         number of bracket locks / maximum       3         hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       8 mm         product extension / optional       8 mm         • wotor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value       50 kA         according UL       32 A         operational current / at AC / according to UL 508/UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         short-time withstand current (SCCR) / at 600 V / according to UL       20	Product details	
number of bracket locks / maximum       3         hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       8 mm         product extension / optional       8 mm         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       50 kA         according UL       50 kA         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value       32 A         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       20         active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value       20	product feature	
hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       8 mm         product extension / optional       8 mm         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL 508/UL       600 V         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL 508/UL 20       20         short-time withstand current (SCCR) / at 600 V / according to UL 508 / J according to JL 508 / J a	<ul> <li>can be locked into OFF position</li> </ul>	Yes
hasp thickness / of the bracket locks / maximum       8 mm         product extension / optional       No         e motor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value       50 kA         according UL       Operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value       20	number of bracket locks / maximum	0
product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value       50 kA         according UL       operational current / at AC / according to UL 508/UL       32 A         operational current / at AC / according to UL 508/UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 50/60 Hz / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         short-time withstand current (SCCR) / at 600 V / according to UL       20		3
• motor driveNo• voltage triggerNoShort circuitNoShort circuitState of the state		
voltage trigger     No     Short circuit     conditional short-circuit current / with line-side fuse     protection         • at 690 V / by gG fuse / rated value         50 kA     according UL     operational current / at AC / according to UL 508/UL     60947-4-1 / rated value     operating voltage / at AC / at 50/60 Hz / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 480 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     for according to UL		4 mm
Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         50 kA         according UL         operational current / at AC / according to UL 508/UL         60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         508/UL 60947-4-1 / rated value         short-time withstand current (SCCR) / at 600 V / according         5 kA	hasp thickness / of the bracket locks / maximum product extension / optional	4 mm
conditional short-circuit current / with line-side fuse protection       50 kA         • at 690 V / by gG fuse / rated value       50 kA         according UL       50 kA         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value       32 A         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       20         active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value       20         solvUL 60947-4-1 / rated value       20         solvUL 60947-4-1 / rated value       50 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive	4 mm 8 mm No
protection       • at 690 V / by gG fuse / rated value       50 kA         according UL       operational current / at AC / according to UL 508/UL       32 A         object operating voltage / at AC / at 50/60 Hz / according to UL       508/UL         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       508/UL         20       508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger	4 mm 8 mm No
according UL         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger	4 mm 8 mm No
operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse	4 mm 8 mm No
60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection	4 mm 8 mm No No
508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value	4 mm 8 mm No No
active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       20         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL	4 mm 8 mm No No 50 kA
active power [hp] / at AC / at 600 V / according to UL       20         508/UL 60947-4-1 / rated value       508/UL 60947-4-1 / rated value         short-time withstand current (SCCR) / at 600 V / according       5 kA	hasp thickness / of the bracket locks / maximum         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         according UL         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL	4 mm 8 mm No No 50 kA 32 A
	hasp thickness / of the bracket locks / maximum         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         according UL         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL	4 mm 8 mm No No 50 kA 32 A 600 V
	hasp thickness / of the bracket locks / maximum         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         according UL         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL	4 mm 8 mm No No 50 kA 32 A 600 V 20

continuous current / of upstream fuse / according to UL /	80 A
rated value	
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	2
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
<ul> <li>maximum</li> <li>minimum</li> </ul>	8 14
type of connectable conductor cross-sections / for copper conductor	. 14
• solid	1x (1,516mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (1,510mm <sup>2</sup> )
• stranded	1x (1,516mm <sup>2</sup> )
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary 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
Requirements	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 40 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
Mechanical Design	
height	83 mm
width	67 mm
depth	92.5 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	No
net weight	219 g
Environmental conditions	
ambient temperature / during operation <ul> <li>minimum</li> </ul>	-25 °C
	-25 °C
maximum     ambient temperature / during storage / minimum	-25 °C
	-20 0
General Product Approval	
Confirmati	on Miscellaneous

# EHC

CE

Special Test Certificate





#### Marine / Shipping



Environmental Con-

**firmations** 

other

Miscellaneous

### Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2203-1TL51 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2203-1TL51 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2203-1TL51 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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