# **SIEMENS**

## Data sheet

# 3LD2003-0TK51

SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 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 operating mechanism	Short rotary knob	
Design of handle	rotary operating mechanism, black	
Type of the driving mechanism / motor drive	No	
General technical data		
Number of poles	3	
Type of device	fixed mounting	
Type of switch	front mounted	
Size of switch disconnector	1	
Electrical endurance (switching cycles)		
<ul> <li>at AC-23 A / at 690 V</li> </ul>	6 000	

100 000
50 1/h
690 V
6 kV
16 A
690 V
IP65
1, 3R, 4X, 12
IP65
0.5 W
0.5 W
9 A
16 A
16 A
16 A
16 A
16 A
16 A
16 A
16 A
16 A
20 A
3 kA
3 kA
040.4
340 A

Initial value     SO Hz     Operating power     Int AC-23 A / at 400 V / rated value     A KW     at AC-23 A / at 400 V / rated value     75 KW     at AC-23 A / at 400 V / rated value     75 KW     at AC-23 A / at 400 V / rated value     75 KW     at AC-23 A / at 400 V / rated value     75 KW     at AC-32 A / at 400 V / rated value     75 KW     at AC-32 A / at 400 V / rated value     75 KW     at AC-33 A / at 400 V / rated value     75 KW     at AC-33 A / at 400 V / rated value     75 KW     at AC-33 A / at 400 V / rated value     75 KW     at AC-33 A / at 400 V / rated value     55 KW     at AC-31 at 690 V / rated value     55 KW     at AC-31 at 690 V / rated value     55 KW     out AC-31 at 690 V / rated value     55 KW     out AC-31 at 690 V / rated value     50 KW     Operating current / rated value     50 KW     Operating current / rated value     500 V     maximum     Continuous current / of the auxiliary contacts     0     Operating voltage / of auxiliary contact / rated     value     Insultation voltage / of auxiliary contact / rated     value     Suitability for use     Main switch     Yes     waitch disconnector     Yes     witch disconnector     Yes     witch disconnector     Yes     maintenance/repair switch     Yes     Product duction / can be locked into OFF     position     Number of The acutating element     Black     Product duction / can be locked into OFF     position     Number of The acutation of PF     position     Suitability     for the acutation of PF     position     more of the acutation of PF     position     Product duction / can be locked into OFF     position     Product duction / can be locked into OFF     position     for duck to locks / maximum     A mm     Hasp thickness / of the bracket locks / maximum     A mm     Hasp thickness / of the bracket locks / maximum     A mm     Hasp thickness / of the bracket locks / maximu	Operating frequency	
Number of Normalian State of the auxiliary contacts     0       Number of No contacts / for auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Operating output of the auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Operating output of the auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     0       Operating output of the auxiliary contacts     0       Operating surface     0       Number of NC contacts / for auxiliary contacts     0       Operating surface     0       Suitability     500 V       Suitability for use     10 A       • Main switch     Yes       • Main switch     Yes       • Exerce </td <td>• initial value</td> <td>50 Hz</td>	• initial value	50 Hz
• at AC-23 A / at 240 V / rated value     4 kW       • at AC-23 A / at 400 V / rated value     7.5 kW       • at AC-23 A / at 400 V / rated value     7.5 kW       • at AC-23 A / at 400 V / rated value     7.5 kW       • at AC-23 A / at 400 V / rated value     7.5 kW       • at AC-33 / at 400 V / rated value     7.5 kW       • at AC-33 / at 400 V / rated value     7.5 kW       • at AC-37 / at 400 V / rated value     5.5 kW       • at AC-3 / at 400 V / rated value     5.5 kW       • at AC-3 / at 400 V / rated value     5.5 kW       • at AC-3 / at 400 V / rated value     5.5 kW       • ot AC-3 / at 400 V / rated value     5.5 kW       Operating current / rated value     6.0 kW       Number of CO contacts / for auxiliary contacts     0       Number of NC contacts / for auxiliary contacts     0       Operating voltage / of auxiliary contact / rated     500 V       maximum     10 A       Continuous current / of the auxiliary contact / rated     500 V       value     500 V       Suitability     500 V       Suitability for use     Yes       • Main switch     Yes       • safety switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       • Product function / can be locked into OFF     Yes	• Full-scale value	60 Hz
at AC:23 A / at 400 V / at 50/60 Hz / rated value       7.5 kW         at AC:23 A / at 400 V / rated value       7.5 kW         at AC:23 A / at 400 V / rated value       7.5 kW         at AC:23 A / at 600 V / rated value       7.5 kW         at AC:3 / at 400 V / rated value       7.5 kW         at AC:3 / at 400 V / rated value       7.5 kW         at AC:3 / at 600 V / rated value       5.5 kW         at AC:3 / at 600 V / rated value       5.5 kW         ott AC:3 / at 600 V / rated value       5.5 kW         Operating current / rated value       10 A         Auxiliary circut       0         Number of NC contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       0         Operating voltage / of auxiliary contacts / rated       10 A         value       500 V         Insulation voltage / of the auxiliary contact / rated       10 A         value       500 V         Suitability       Yes         Suitability for use       Yes         • Main switch       Yes         • Switch disconnector       Yes         • ENERCENCY OFF switch       Yes         • adity switch       Yes         • maintenance/repair switch       Yes <t< td=""><td>Operating power</td><td></td></t<>	Operating power	
at AC-23 / at 400 V / rated value     7.5 kW       at AC-23 / at 400 V / rated value     7.5 kW       at AC-23 / at 400 V / rated value     7.5 kW       at AC-3 / at 240 V / rated value     3 kW       at AC-3 / at 240 V / rated value     3 kW       at AC-3 / at 240 V / rated value     5.5 kW       ot AC-3 / at 240 V / rated value     5.5 kW       ot AC-3 / at 240 V / rated value     5.5 kW       ot AC-3 / at 240 V / rated value     16 A       Auxiliary circuit     0       Number of C0 contacts / for auxiliary contacts     0       Number of NC contacts / for auxiliary contacts     0       Operating outage / of auxiliary contacts     0       Operating voltage / of auxiliary contacts / at AC / maximum     10 A       Continuous current / of the auxiliary contact / rated value     500 V       Insulation voltage / of the auxiliary contact / rated value     10 A       Value     500 V       Suitability for use     500 V       • Main switch     Yes       • Suitability for use     500 V       • Main switch     Yes       • Safely switch     Yes       • Safely switch     Yes       • affely switch     Yes       • maintenance/repair switch     Yes       • Product details     Yes       • Product ductor / can be locked	• at AC-23 A / at 240 V / rated value	4 kW
at AC-23 A / at 400 V / rated value     7.5 kW       at AC-23 A / at 690 V / rated value     7.5 kW       at AC-3 / at 400 V / rated value     3 kW       at AC-3 / at 400 V / rated value     5.5 kW       at AC-3 / at 600 V / rated value     5.5 kW       ot AC-3 / at 600 V / rated value     5.5 kW       Operating current / rated value     16 A       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 / tor auxiliary contacts     0       Operating voltage / of the auxiliary contact / rated value     500 V       Insulation voltage / of the auxiliary contact / rated value     500 V       Insulation voltage / of the auxiliary switch / rated value     500 V       Value     500 V       Suitability     500 V       Suitability for use     Yes       • Main switch     Yes       • safety switch     Yes       • safety switch     Yes       • asifety switch     Yes       • product duction / can be locked into OFF     Yes       • Product duction / can be locked into OFF     Yes       • Product duction / can be locked into OFF     Yes       • Product ductoks / ma	• at AC-23 A / at 400 V / at 50/60 Hz / rated value	7.5 kW
at AC-23 A / at 680 V / rated value     7.5 kW       at AC-3 / at 240 V / rated value     3 kW       at AC-3 / at 690 V / rated value     5.5 kW       otar AC-3 / at 690 V / rated value     5.5 kW       operating current / rated value     16 A       Auxiliary circuit     0       Number of NC contacts / for auxiliary contacts     0       Number of NC 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     10 A       value     500 V       Insultation voltage / of the auxiliary contact / rated     10 A       value     500 V       Insultation voltage / of the auxiliary contact / rated     10 A       value     500 V       Suitability     500 V       Color / of the auxiliary switch / rated     75 kW       • Main switch     Yes       • EMERGENCY	• at AC-23 A / at 400 V / rated value	7.5 kW
• at AC-3 / at 240 V / rated value     3 kW       • at AC-3 / at 400 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       Operating current / rated value     16 A       Auxiliary circuit     16 A       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     10 A       Operating voltage / of auxiliary contact / rated     10 A       Value     500 V       Insulation voltage / of the auxiliary switch / rated     500 V       Value     500 V       Suitability     500 V <td>• at AC-23 A / at 440 V / rated value</td> <td>7.5 kW</td>	• at AC-23 A / at 440 V / rated value	7.5 kW
at AC-3 / at 400 // rated value     5.5 kW       • at AC-3 / at 690 // rated value     5.5 kW       Operating current / rated value     18 A       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     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     500 V       Suitability for use     4 Main switch       • Main switch     Yes       • Switch disconnector     Yes       • EMERGENCY OFF switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       • Product details     9       • Product function / can be locked into OFF     Yes       • Product function / can be locked into OFF     Yes       • Product details     3       • Product function / can be locked into OFF     Yes       • Product extension / optional     8 mm       • motor drive     No	• at AC-23 A / at 690 V / rated value	7.5 kW
• at AC-3 / at 680 V / rated value     5.5 kW       Operating current / rated value     16 A       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 / rated value     10 A       Insultation voltage / of the auxiliary switch / rated value     500 V       Suitability     500 V       Suitability     500 V       Suitability for use     500 V       • Main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       • Product details     Ves       • Product function / can be locked into OFF position     3       • Number of bracket locks / maximum     3       • Hasp thickness / of the bracket locks / minimum     4 mm       • Product extension / optional     min       • motor drive     No	<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	3 kW
Auxiliary circuit     16 A       Auxiliary circuit     16 A       Number of CO contacts / for auxiliary contacts     0       Number of NC 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 / rated     10 A       value     10 A       Suitability     500 V       Suitability     Yes       • Main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       • Product details     Product details       • Product function / can be locked into OFF     Yes       • Product function / can be locked into OFF	● at AC-3 / at 400 V / rated value	5.5 kW
Auxiliary circuit         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 / rated value       10 A         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       500 V         Suitability for use       Yes         • Main switch       Yes         • Suitability for use       Yes         • EMERGENCY OFF switch       No         • safety switch       Yes         • maintenance/repair switch       Yes         • maintenance/repair switch       Yes         • Product details       Product details         • Product details       3         • Product force / case tocks / maximum       3         • Hasp thickness / of the bracket locks / maximum       8 mm         • Product extension /	● at AC-3 / at 690 V / rated value	5.5 kW
Number of CO contacts / for auxiliary contacts       0         Number of NC 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 / rated value       10 A         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       Yes         • Main switch       Yes         • switch disconnector       Yes         • safety switch       Yes         • maintenance/repair switch       Yes         • product function / can be locked into OFF       Yes         position       Number of bracket locks / maximum         • Number of bracket locks / maximum       3         Hasp thi	Operating current / rated value	16 A
Number of CO contacts / for auxiliary contacts       0         Number of NC 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 / rated value       10 A         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       Yes         • Main switch       Yes         • switch disconnector       Yes         • safety switch       Yes         • maintenance/repair switch       Yes         • product function / can be locked into OFF       Yes         position       Number of bracket locks / maximum         • Number of bracket locks / maximum       3         Hasp thi		
Number of NC contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       0         Operating voltage / of auxiliary contacts / at AC /       500 V         maximum       10 A         Continuous current / of the auxiliary contact / rated       10 A         value       10 A         Insulation voltage / of the auxiliary switch / rated       500 V         value       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       600 V         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       No         • safety switch       Yes         • maintenance/repair switch       Yes         • maintenance/repair switch       Yes         • Product details       black         Product function / can be locked into OFF       Yes         • Product function / can be locked into OFF       Yes         • Product function / can be locked into OFF       Yes         • Product function / can be locked into OFF       Yes         • Number of bracket locks / maximum       3         Hasp thickness / of the bracket locks / maximum       3 mm         Hasp thi		0
Number of NO contacts / for auxiliary contacts       0         Operating voltage / of auxiliary contacts / at AC /       500 V         maximum       10 A         Continuous current / of the auxiliary contact / rated       10 A         Insulation voltage / of the auxiliary switch / rated       500 V         value       500 V         Suitability       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       500 V         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       No         • safety switch       Yes         • maintenance/repair switch       Yes         • maintenance/repair switch       Yes         • Product details       Product function / can be locked into OFF         • Product function / can be locked into OFF       Yes         • position       3         Number of bracket locks / maximum       3         Hasp thickness / of the bracket locks / maximum       8 mm         Product extension / optional       • motor drive         • motor drive       No	-	
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       Yes         • Switch disconnector       Yes         • maintenance/repair switch       Yes         • Product function / can be locked into OFF       Yes         • Product function / can be locked into OFF       Yes         • position       3         Hasp thickness / of the bracket locks / maximum       3 mm         Hasp thickness / of t	-	
maximum       Inalian of the auxiliary contact / rated value       10 A         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       500 V         • 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 function / can be locked into OFF         • Product function / can be locked into OFF       Yes         • position       3         Hasp thickness / of the bracket locks / maximum       3         Hasp thickness / of the bracket locks / maximum       8 mm         Product extension / optional       • motor drive         • motor drive       No	-	
value       500 V         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       500 V         • 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 function / can be locked into OFF       Yes         position       3         Number of bracket locks / maximum       3         Hasp thickness / of the bracket locks / minimum       4 mm         Hasp thickness / of the bracket locks / maximum       8 mm         Product extension / optional       • motor drive         • motor drive       No		
Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       Suitability for use         • 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 function / 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       8 mm         • motor drive       No	Continuous current / of the auxiliary contact / rated	10 A
value       Suitability         Suitability for use       Yes         • Main switch       Yes         • switch disconnector       Yes         • Switch disconnector       Yes         • EMERGENCY OFF switch       No         • safety switch       Yes         • maintenance/repair switch       Yes         • maintenance/repair switch       Yes         Color / of the actuating element       black         Product details       Ves         • Product function / can be locked into OFF       Yes         position       3         Number of bracket locks / maximum       3         Hasp thickness / of the bracket locks / minimum       4 mm         Hasp thickness / of the bracket locks / maximum       8 mm         Product extension / optional       No	value	
Suitability         Suitability for use       Yes         • Main switch       Yes         • switch disconnector       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       No         • safety switch       Yes         • maintenance/repair switch       Yes         Appearance       Color / of the actuating element         Color / of the actuating element       black         Product details       Yes         • Product function / can be locked into OFF       Yes         position       3         Number of bracket locks / maximum       3         Hasp thickness / of the bracket locks / minimum       4 mm         Hasp thickness / of the bracket locks / maximum       8 mm         Product extension / optional       • motor drive		500 V
Suitability for use       Yes         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       No         • safety switch       Yes         • maintenance/repair switch       Yes         Appearance       Color / of the actuating element         Color / of the actuating element       black         Product details	value	
• Main switchYes• switch disconnectorYes• EMERGENCY OFF switchNo• safety switchYes• maintenance/repair switchYes• maintenance/repair switchYesOtor / of the actuating elementblackProduct detailsYes• Product function / can be locked into OFF positionYesNumber of bracket locks / maximum3Hasp thickness / of the bracket locks / minimum4 mmHasp thickness / of the bracket locks / maximum8 mmProduct extension / optional • motor driveNo	Suitability	
<ul> <li>switch disconnector</li> <li>Switch disconnector</li> <li>EMERGENCY OFF switch</li> <li>Safety switch</li> <li>safety switch</li> <li>reaintenance/repair switch</li> <li>Yes</li> </ul> Appearance           Color / of the actuating element         black   Product details           • Product function / can be locked into OFF         Yes           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	Suitability for use	
EMERGENCY OFF switch     EMERGENCY OFF switch     Safety switch     Safety switch     Yes     maintenance/repair switch     Yes  Appearance Color / of the actuating element     black  Product details     Product function / can be locked into OFF     yes     Number of bracket locks / maximum     Asp thickness / of the bracket locks / minimum     Hasp thickness / of the bracket locks / maximum     Product extension / optional     • motor drive     No	Main switch	Yes
	<ul> <li>switch disconnector</li> </ul>	Yes
maintenance/repair switch Yes  Appearance Color / of the actuating element black  Product details      Product function / can be locked into OFF position Number of bracket locks / maximum Hasp thickness / of the bracket locks / minimum Hasp thickness / of the bracket locks / maximum Product extension / optional     motor drive No	<ul> <li>EMERGENCY OFF switch</li> </ul>	No
Appearance         Color / of the actuating element       black         Product details       • Product function / can be locked into OFF position         • Product function / 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	<ul> <li>safety switch</li> </ul>	Yes
Color / of the actuating element       black         Product details          • Product function / 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       No	<ul> <li>maintenance/repair switch</li> </ul>	Yes
Color / of the actuating element       black         Product details       • Product function / 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	Appearance	
<ul> <li>Product function / can be locked into OFF position</li> <li>Number of bracket locks / maximum</li> <li>Hasp thickness / of the bracket locks / minimum</li> <li>Hasp thickness / of the bracket locks / maximum</li> <li>Product extension / optional</li> <li>motor drive</li> <li>No</li> </ul>		black
<ul> <li>Product function / can be locked into OFF position</li> <li>Number of bracket locks / maximum</li> <li>Hasp thickness / of the bracket locks / minimum</li> <li>Hasp thickness / of the bracket locks / maximum</li> <li>Product extension / optional</li> <li>motor drive</li> <li>No</li> </ul>	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       • motor drive		Yes
Hasp thickness / of the bracket locks / minimum       4 mm         Hasp thickness / of the bracket locks / maximum       8 mm         Product extension / optional       No	position	
Hasp thickness / of the bracket locks / maximum     8 mm       Product extension / optional     No	Number of bracket locks / maximum	3
Product extension / optional       • motor drive       No	Hasp thickness / of the bracket locks / minimum	4 mm
motor drive     No	Hasp thickness / of the bracket locks / maximum	8 mm
	Product extension / optional	
Voltage trigger     No	motor drive	No
	<ul> <li>Voltage trigger</li> </ul>	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 current / at AC / acc. to UL 508 / rated value	16 A
Operating voltage / at AC / at 50/60 Hz / acc. to UL 508 / rated value	600 V
Active power [hp] / at AC / at 480 V / acc. to UL 508 / rated value	7.5
Active power [hp] / at AC / at 600 V / acc. to UL 508 / rated value	10
Short-time withstand current (SCCR) / at 600 V / acc. to UL 508	5 kA
Continuous current / of upstream fuse / according to UL / rated value	50 A
Type of fuse / according to UL	RK5
Number	
Number of connectable NC contacts / for auxiliary	3
contacts / attachable / maximum	
Number of connectable NO contacts / for auxiliary	3
contacts / attachable / maximum	
Number of connectable CO contacts / for auxiliary	0
contacts / attachable / maximum	
Connections	
AWG number / as coded connectable conductor	
cross section / solid	
• maximum	10
• minimum	18
Type of connectable conductor cross-sections / for copper conductor	
• solid	1x (16mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (14mm²)
• stranded	1x (16mm²)
Type of connectable conductor cross-sections / for	
auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
Type of electrical connection	

• for main current circuit	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: 20 A
<ul> <li>for short-circuit protection of the auxiliary switch</li> <li>/ required</li> </ul>	fuse gL/gG: 10 A
Mechanical Design	
Height	84 mm
Width	67 mm
Depth	92.5 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type	
<ul> <li>front mounting with 4-hole attachment</li> </ul>	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
● rail mounting	No
Net weight	188 g
Environmental conditions	
Ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage / minimum	-25 °C
Certificates	
Reference code	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	SF
General Product Approval	Declaration of Conformity
	VDE Miscellaneous EG-Konf.
Test Certific- atesShipping Ap- provalotherSpecial Test Certi- Test Certi-Environmen	
ficate Llovd's firmatic	ons

#### 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=3LD2003-0TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2003-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2003-0TK51

### **CAx-Online-Generator**

http://www.siemens.com/cax

## **Tender specifications**

http://www.siemens.com/specifications













