SIEMENS

Data sheet 3LD2165-7UB01



SENTRON, Switch disconnector 3LD, change-over switch, 3-pole, lu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, molded-plastic encapsulation for metric cable screw connection, knob-operated mechanism, black

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	Selector switch
display version / for switch position indicator manual operation	1 ON - 0 OFF - 2 ON
design of the actuating element	selector switch
design of handle	knob-operated mechanism, black
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
number of poles / note	N + PE
type of device	fixed mounting
type of switch	Molded-plastic enclosure for metric threaded joint
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	4 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 kA2.s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 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 	1.1 W
 per conductor / typical 	1 W
Current	
operational current	
 at 40 °C / rated value 	25 A
• at 45 °C / rated value	25 A
 at 50 °C / rated value 	25 A

	- at EE °C / rated value	0F A
et al AC-23 A at 400 V / reled value	• at 55 °C / rated value	25 A
** at AC-21 A I at 240 V / rated value 25 A Operational current / of upstream fuse / rated value 25 A Operational current / of upstream fuse / rated value 25 A Operational current / of upstream fuse / rated value 25 A Operational current / of upstream fuse / rated value 25 A Operational current / of upstream fuse / rated value 3.5 kW		
Section Sect		
let-through current / with closed switch • at 440 V / for combination switch + gG fuse / maximum • at 680 V / for combination switch + gG fuse / maximum permissible Main circuit operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 260 V / rated value		-
at 440 V / for combination switch + gG fuse / maximum at 860 V / for combination switch + gG fuse / maximum permissible Main circuit operating power at AC-29 A / at 400 V / rated value at AC-29 A / at 400 V / rated value at AC-29 A / at 400 V / rated value at AC-29 A / at 400 V / rated value at AC-29 A / at 400 V / rated value at AC-29 A / at 400 V / rated value at AC-29 A / at 400 V / rated value at AC-39 A / at 400 V / rated value at AC-31 A / at 800 V / rated value at AC-31 A / at 800 V / rated value at AC-31 / at 800 V / rated value at AC-31 / at 800 V / rated value yoperational current / rated value yoperations current / rated value yoperating voltage / for auxiliary contacts younder of NC contacts / for auxiliary contacts yoperating voltage / of auxiliary contacts yoperating voltage / of auxiliary contacts yoperating voltage / of auxiliary contacts younder of NC contacts / for auxiliary contacts younder of NC younder of NC younder / for younder voltage / for younder / younder / for younder / for younder / for younder / for younder / y	·	2017
maximum entilisation switch + gG fuse / maximum permissible Main circuit continue with the continue w	_	3.5 kA
maximum permissible Minin circuit Operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-3 A / at 400 V / rated value at AC-3 / at 200 V / rated value at AC-3 / at 200 V / rated value at AC-3 / at 200 V / rated value at AC-3 / at 950 V / rated value at AC-3 / at 950 V / rated value at AC-3 / at 950 V / rated value Axillary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts numbe		0.0 IV
Main circuit		4 kA
operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 260 V / rated value • at AC-3 / at 260 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value 25 A Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value sultability for use • main switch • witch disconnector • EMERGENCY OFF switch • witch disconnector • EMERGENCY OFF switch • waiten auxiliary switch • safety switch • maintenance/repair switch Product details product feature • can be locked into OFF position • notor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V by g6 fuse / rated value safe solutional short-circuit current / with line-side fuse protection • at 690 V by g6 fuse / rated value Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V by g6 fuse / rated value secording UL operational current / at AC / at 50/90 Hz / according to UL 50/8/UL 60/947-4-1 / rated value settive power hpj / at AC / at 600 V / according to UL 50/8/UL 60/947-4-1 / rated value settive power hpj / at AC / at 600 V / according to UL 50/8/UL 60/947-4-1 / rated value settive power hpj / at AC / at 600 V / according to UL 50/8/UL 60/947-4-1 / rated value settive power hpj / at AC / at 600 V / according to UL 50/8/UL 60/947-4-1 / rated value	·	
* at AC-23 A / at 440 V / rated value	Main circuit	
at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value 9.5 kW at AC-23 A / at 450 V / rated value 4 kC / 23 A / at 450 V / rated value 4 kW 4 at AC-3 / at 250 V / rated value 8 kW at AC-3 / at 250 V / rated value 7.5 kW perational current / rated value 25 A Auxillary circuit number of CO contacts / for auxillary contacts number of NC contacts / for auxillary contact / at AC / maximum notification voltage / of the auxillary contact / rated value suitability for use nain switch yes main switch yes main switch yes emain switch yes emain switch yes Appearance color / of the actuating element yes Appearance color / of the actuating element yes are not black product feature contor / of the actuating element No product extension / optional not drive not drive not drive not drive not drive not fixed value 50 kA south and AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power (Irp) / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power (Irp) / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power (Irp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (Irp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (Irp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (Irp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value		
at AC-23 A / at 440 V / rated value at AC-23 A / at 590 V / rated value at AC-23 A / at 590 V / rated value 4 A KW at AC-3 / at 240 V / rated value At AC-3 / at 400 V / rated value At AC-3 / at 400 V / rated value At AC-3 / at 400 V / rated value At AC-3 / at 690 V / rated value At AC-3 / at 690 V / rated value Auxiliary circuit Auxiliary circuit Auxiliary circuit Auxiliary contacts / for auxiliary contacts Auxiliary cont	at AC-23 A / at 240 V / rated value	5 kW
at AC-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 490 V / rated value at AC-3 / at 490 V / rated value at AC-3 / at 490 V / rated value 7.5 kW operational current / rated value 25 A Auxiliary circuit 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 0 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value Suitability suitability for use main switch switch disconnector EMERGENCY OFF switch safety switch safety switch safety switch safety switch product details product feature can be locked into OFF position No product extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 690 Y by gG fuse / rated value solved value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value active power (Ipp) / at AC / according to UL 508/UL 60947-4-1 / rated value		10 kW
at AC-3 / at 240 V / rated value at AC-3 / at 490 V / rated value At AC-3 / at 490 V / rated value At AC-3 / at 490 V / rated value 7.5 kW operational current / rated value Austiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary contact / rated value continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value switch disconnector e main switch switch disconnector EMERGENCY OFF switch safety switch rated value color / of the actuating element Product details product feature c an be locked into OFF position product extension / optional e notor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 690 V by gG fuse / rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 / rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / at 600 V / according to UL 508/UL 60947-41 - rated value active power (tip) / at AC / according to UL 508/UL 60947-41 - rated value		
at AC-3 / at 400 V / rated value		
at AC-3 / at 690 V / rated value operational current / rated value 25 A Auxillary circuit number of CO contacts / for auxillary contacts number of NC contacts / for auxillary contacts operating voltage / of auxillary contacts operating voltage / of auxillary contacts operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value suitability suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch Appearance color / of the actuating element Product details product feature • can be locked into OFF position product valension / 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 scording 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947.4-1 rated value		
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number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value **Onto Voltage / of the auxiliary switch / rated value **Onto Voltage / of the auxiliary switch / rated value **Onto Voltage / of the auxiliary switch / rated value **Onto Voltage / of the auxiliary switch / rated value **Onto Voltage / of the auxiliary switch / rated value **Onto Voltage / of the auxiliary switch / Yes **Onto Voltage / of the auxiliary switch / Yes **Onto Voltage / of the auxiliary switch / Yes **Appoaranco **Color / of the actuating element black **Product details **product details **product details **product feature **Onto drive **Onto drive **Onto drive **Onto drive **Onto Voltage trigger **No **Short circuit **Conditional short-circuit current / with line-side fuse protection **onto drive **Operational current / at AC / at stoo / according to UL **Sparul. 60947-4-1 / rated value **according UL **operating voltage / at AC / at 50/60 Hz / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 500 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 500 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 600 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 600 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 600 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 600 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 600 / according to UL **Sparul. 60947-4-1 / rated value **active power [hp] / at AC / at 600 / according to UL **Sparul. 60947-4-1 / rated		25 A
number of NC contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value suitability for use main switch switch disconnector main switch switch disconnector maintenance/repair switch maintenance/repair switch maintenance/repair switch Appearanco color / of the actuating element Product details product details product details product extension / optional motor drive conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value Short circuit operational current / 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 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 to UL 508/UL 508/UL 4047-4-1 (substand current / outperson fuse / according to UL 508/UL 508/UL 4047-4-1 (rated value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 508/UL 40947-4-1 (rated value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 508/UL 40947-4-1 (substand current / outperson fuse / according to UL 508/UL 508/UL 40947-4-1 (substand current / outperson fuse / according to UL 508/UL 508/UL 40947-4-1 (substand current / outperson fuse / according to UL 508/UL 508/UL 40947-4-1 (substand current / outperson fuse / according to UL 508/UL 508/UL 50947-4-1 (substand current / outperson fuse / according to UL 508/UL 508/UL 50947-4-1 (substand current / 508/UL 50947-4-1 (substand current / outperson fuse / according		
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contacts / at AC / auximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value Sutability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch Yes Appearance color / of the actuating element Product details product feature • can be locked into OFF position 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 Secording UL operational current / at AC / according to UL 508/UL 69947-4-1 / 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 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		
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Soutability suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • respectively Appearance color / of the actuating element Product details product feature • can be locked into OFF position 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 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 60847-4-1 / rated value short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current / of upstream fuse / according to UL 50 A	number of NC contacts / for auxiliary contacts	0
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch Product details product feature • can be locked into OFF position 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 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 0 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 furget value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 furget value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 furget value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 furget value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 furget value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 furget value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 furget value	-	0
Insulation voltage / of the auxiliary switch / rated value Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch Product details product feature • can be locked into OFF position 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 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 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 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 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 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		
Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch Product details product details product feature • can be locked into OFF position No 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 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 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		
suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch Appearance color / of the actuating element Product details product feature • can be locked into OFF position No 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 operational current / at AC / 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / fusted value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / fusted value		500 V
main switch switch disconnector EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position 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 active power [hp] / at AC / at 480 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / 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 continuous current / of upstream fuse / according to UL / 50 A		
switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Appearance color / of the actuating element Product details product feature can be locked into OFF position No 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 special sold of the substance	-	
EMERGENCY OFF switch Safety s		
safety switch maintenance/repair switch Yes Appearance color / of the actuating element black Product details product feature	main switch	Yes
maintenance/repair switch Appearance color / of the actuating element black Product details product feature	switch disconnector	
Appearance color / of the actuating element black Product details product feature • can be locked into OFF position No product extension / optional • 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 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	switch disconnectorEMERGENCY OFF switch	Yes No
color / of the actuating element Product details product feature • can be locked into OFF position 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 soperational 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 short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1	switch disconnectorEMERGENCY OFF switch	Yes No Yes
product details product feature • can be locked into OFF position 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 soperational 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 short-time withstand current (SCCR) / 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	 switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch 	Yes No Yes
product feature • can be locked into OFF position 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 soperational 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	 switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch 	Yes No Yes
can be locked into OFF position 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 soerational current / at AC / according to UL 508/UL operational current / at AC / according to UL 508/UL operating voltage / at AC / at 50/60 Hz / according to UL operating voltage / at AC / at 480 V / according to UL so8/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 so8/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL so8/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL so8/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL so8/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1	 switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	Yes No Yes Yes
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 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / roted value short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element	Yes No Yes Yes
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 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 short-time withstand current (SCCR) / 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 short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details	Yes No Yes Yes
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 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 short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature	Yes No Yes Yes Yes black
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 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position	Yes No Yes Yes Yes black
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 short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position product extension / optional	Yes No Yes Yes Yes No No
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 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 short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position product extension / optional motor drive	Yes No Yes Yes Yes No No
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 short-time withstand current (SCCR) / at 600 V / according to UL / 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position product extension / optional motor drive voltage trigger	Yes No Yes Yes Yes No No
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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse	Yes No Yes Yes Yes No No
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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection	Yes No Yes Yes black No No No
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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position 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	Yes No Yes Yes black No No No
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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position 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	Yes No Yes Yes black No No No No
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 to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position 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	Yes No Yes Yes black No No No No 25 A
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature	Yes No Yes Yes black No No No No O O O O O O O O O O O O O
continuous current / of upstream fuse / according to UL / 50 A	switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature	Yes No Yes Yes Yes black No No No No 10
rated value	 switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position 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 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 508/UL 60947-4-1 / rated value	Yes No Yes Yes Yes black No No No No 10 15

han of from / populing to LII	DIVE
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	4
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	8
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (1,516mm²)
 finely stranded / with core end processing 	1x (1,510mm²)
stranded	1x (1,516mm²)
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)
• finely stranded / with core end processing	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
 for auxiliary contacts 	connection terminals
Requirements	
Requirements design of the fuse link	
	fuse gL/gG: 25 A
design of the fuse link • for short-circuit protection of the main circuit /	fuse gL/gG: 25 A fuse gL/gG: 10 A
design of the fuse link	
design of the fuse link	
design of the fuse link	fuse gL/gG: 10 A
design of the fuse link	fuse gL/gG: 10 A 188 mm
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure No Yes
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure No Yes No
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure No Yes No
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure No Yes No
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure No Yes No 894 g
design of the fuse link	fuse gL/gG: 10 A 188 mm 146 mm 149 mm Complete unit in enclosure No Yes No 894 g



Confirmation





Miscellaneous



Declaration of Conformity Test Certificates Marine / Shipping other





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=3LD2165-7UB01

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2165-7UB01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2165-7UB01

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

