SIEMENS

Data sheet 3LD2165-3VB53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 6- pole, lu: 25 A, operating power / at AC-23 A 400 V: 9.5 kW, Molded plastic encapsulation for metric cable gland, rotary operating mechanism, red/yellow

product brand name SENTRON	Model	
design of the product display version for switch position indicator manual operation 1 ON - 0 OFF 1 ype of switch design of the actuating element color of the actuating element color of the actuating element red design of handle ype of the driving mechanism motor drive No Ceneral technical data number of poles note size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution Voltage insulation voltage rated value operating frequency rated value e minimum at AC Crated value e minimum To the e maximum Protection class IP degree of protection NEMA rating protection class IP on power loss [W] for rated value operating sist per pole Main class (P) for each at 400 V rated value at AC-21 at 690 V rated value 52 A at AC-21 at 690 V rated value 25 A at AC-21 at 400 V rated value 25 A at AC-21 At 400 V rated value 26 A at AC-21 At 4400 V rated value 27 A 38 CA-21 At 4400 V rated value 48 AC-21 At 4400 V rated value 48 AC-21 At 4400 V rated value 49 At AC-21 At 4400 V rated value 40 At AC-21 At 4400 V rated value 41 AC-21 At 4400 V rated value 42 AC-21 At 4400 V rated value 43 AC-21 At 4400 V rated value 44 AC-21 At 4400 V rated value 45 A 46 AC-21 At 4400 V rated value 47 AC-21 At 4400 V rated value 48 AC-21 At 4400 V rated value 49 AC-21 At 4400 V rated value 40 AC-21 At 4400 V rated value 41 AC-21 At 4400 V rated value 42 AC-21 At 4400 V rated value 43 AC-21 At 4400 V rated value 44 AC-21 At 4400 V rated value 45 A 46 AC-21 At 4400 V rated value 47 AC-21 At 4400 V rated value 48 AC-21 At 4400 V rated value 49 AC-21 At 4400 V rated value 40 AC-21 At 4400 V rated value 41 AC-21 At 4400 V rated value 41 AC-21 At 4400 V rated value 41 AC-21 At 4400 V rated value 42 AC-21 At 4500 V rated value 41 AC-21 At 4500 V rated value 41 AC-21 At 4500 V rated value	product brand name	SENTRON
display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element tedesign of handle type of the driving mechanism motor drive Rogenral technical data number of poles number of poles note size of switch disconnector electrical endurance (operating cycles) at AC-22 A at 690 V operating voltage at AC rated value minimum similum similum similum protection class IP elegrec of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value operating state per pole Main circuit 4 AC-21 A at 240 V rated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 240 V vated value 25 A at AC-21 A at 400 V vated value 25 A at AC-21 A at 400 V vated value 25 A at AC-21 A at 400 V vated value 25 A at AC-21 A at 400 V vated value 25 A	product designation	Switch disconnector
type of switch design of the actuating element design of handle red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Concrat technical data number of poles number of poles size of switch disconnector electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) to 100 000 electrical endurance (operating cycles) to 100 000 electrical endurance for pollution 3 Voltage insulation voltage rated value operating voltage resistance rated value operating voltage at AC rated value of the current at AC in hot operating state per pole Main circuit operational current at AC rated value value at AC rated value at AC rated value value at AC rated value value at AC rated value at AC r	design of the product	EMERGENCY-STOP switch
design of the actuating element red color of the actuating element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Reneral technical data number of poles 6 6 6 6 6 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9	display version for switch position indicator manual operation	1 ON - 0 OFF
color of the actuating element design of handle type of the driving mechanism motor drive No General technical data number of poles number of poles note size of switch disconnector electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum degree of pollution 3 Voltage insulation voltage rated value • at AC rated value • minimum operating frequency rated value • minimum • maximum • at AC rated value • minimum • maximum • at AC rated value • minimum • maximum • at AC rated value • minimum • maximum • at AC rated value • minimum • maximum • at AC rated value • minimum • maximum • at AC rated value • minimum • at AC rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC -21 A at 240 V rated value • at AC -21 A at 240 V rated value • at AC -21 A at 240 V rated value • at AC -21 A at 240 V rated value • at AC -21 A at 240 V rated value • at AC -21 A at 240 V rated value • at AC -21 A at 240 V rated value	type of switch	Molded-plastic enclosure for metric threaded joint
design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No General technical data number of poles 6 number of poles 16 number of poles 16 number of poles 17 size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 100 000 electrical endurance (operating cycles) 150 1/h degree of pollution 3 Voltage 18 susque voltage resistance rated value 690 V surge voltage resistance rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 Hz Protection class IP protection class IP protection class IP IP65 degree of protection NEMA rating 1,4X, 12 protection class IP on the front IP66 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operating attachment 25 A at AC-21 A at 240 V rated value 25 A at AC-21 A at 240 V rated value 25 A	design of the actuating element	Short rotary knob
type of the driving mechanism motor drive General technical data number of poles 6 number of poles note Size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 4 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage surge voltage resistance rated value 690 V operating voltage rated value 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage surge voltage resistance rated value 690 V operating voltage rated value 690 V operating frequency rated value 600 Hz Protection class IP 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 Main circuit operational current • at AC-21 A at 240 V rated value 25 A • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	color of the actuating element	red
General technical data number of poles number of poles note size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum degree of pollution surge voltage resistance rated value operating frequency rated value • minimum • maximum foo Hz Protection class IP degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operating at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value	design of handle	rotary operating mechanism, red/yellow
number of poles 6 number of poles note PE + N size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage Violage insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating voltage 690 V • at AC rated value 690 V operating frequency rated value 690 V • minimum 50 Hz • maximum 60 Hz Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 4X, 12 protection class IP on the front IP65 Dissipation 1.1 W operating state per pole Main circuit operating state per pole 4 AC-21 A at 240 V rated value 25 A • at AC-21 A at 240 V rated value 25 A </td <td>type of the driving mechanism motor drive</td> <td>No</td>	type of the driving mechanism motor drive	No
Number of poles note	General technical data	
Size of switch disconnector 2	number of poles	6
mechanical service life (operating cycles) typical electrical endurance (operating cycles)	number of poles note	PE + N
electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage • at AC rated value 690 V operating frequency rated value • minimum • maximum 60 Hz Protection class protection class IP degree of protection NEMA rating protection class IP of protection NEMA rating protection class IP of protection NEMA rating protection class IP of the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	size of switch disconnector	2
at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage at AC rated value 690 V operating frequency rated value 690 V operating frequency rated value 600 Hz Protection class protection class IP degree of protection NEMA rating 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 Main circuit operational current at AC-21 at 690 V rated value 25 A at AC-21 A at 240 V rated value 25 A at AC-21 A at 400 V rated value 25 A at AC-21 A at 400 V rated value 25 A	mechanical service life (operating cycles) typical	100 000
operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating voltage • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 60 Hz 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 Main circuit operational current • at AC-21 at 690 V rated value 25 A • at AC-21 A at 240 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	electrical endurance (operating cycles)	
degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 680 V operating voltage • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 60 Hz 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 Main circuit operational current • at AC-21 at 690 V rated value 25 A • at AC-21 A at 240 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	• at AC-23 A at 690 V	6 000
insulation voltage rated value 690 V surge voltage resistance rated value 680 V operating voltage at AC rated value 690 V operating frequency rated value minimum 50 Hz maximum 50 Hz maximum 60 Hz Protection class protection class IP 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 Main circuit operational current at AC-21 at 690 V rated value 25 A at AC-21 At 240 V rated value 25 A at AC-21 At 240 V rated value 25 A at AC-21 At 240 V rated value 25 A at AC-21 At 240 V rated value 25 A	operating frequency maximum	50 1/h
insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 80 Hz Protection class IP 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • 25 A	degree of pollution	3
surge voltage resistance rated value operating voltage • at AC rated value operating frequency rated value • minimum • maximum foo Hz Protection class protection class IP degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	Voltage	
operating voltage • at AC rated value operating frequency rated value • minimum • maximum foo Hz Protection class protection class IP degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value	insulation voltage rated value	690 V
at AC rated value operating frequency rated value minimum maximum for Hz Protection class protection class IP degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value 25 A at AC-21 A at 400 V rated value 25 A	surge voltage resistance rated value	6 kV
operating frequency rated value • minimum • maximum 60 Hz Protection class protection class IP degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value 25 A • at AC-21 A at 4400 V rated value 25 A	operating voltage	
 minimum maximum 60 Hz Protection class protection class IP 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 Main circuit Operational current at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value 25 A at AC-21 A at 400 V rated value 25 A 	at AC rated value	690 V
 maximum 60 Hz Protection class protection class IP 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 Main circuit operational current at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value 	operating frequency rated value	
Protection class IP 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	• minimum	50 Hz
protection class IP 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	• maximum	60 Hz
degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	Protection class	
protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	protection class IP	IP65
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	degree of protection NEMA rating	1, 4X, 12
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	protection class IP on the front	IP65
operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A	Dissipation	
operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 25 A • at AC-21 A at 400 V rated value 25 A		1.1 W
 at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value 25 A 25 A 	Main circuit	
 at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value 25 A 	operational current	
at AC-21 A at 400 V rated value 25 A	• at AC-21 at 690 V rated value	25 A
	• at AC-21 A at 240 V rated value	25 A
• at AC-21 A at 440 V rated value 25 A	• at AC-21 A at 400 V rated value	25 A
	• at AC-21 A at 440 V rated value	25 A

 at AC-23 A at 400 V rated value 	20 A
operating power	40 A
at AC-23 A at 240 V rated value	5 kW
• at AC-23 A at 400 V rated value	10 kW
• at AC-23 A at 440 V rated value	9.5 kW
• at AC-23 A at 690 V rated value	10 kW
at AC-23 A at 690 V rated value at AC-3 at 240 V rated value	4 kW
at AC-3 at 400 V rated value at AC-3 at 400 V rated value	8 kW
at AC-3 at 400 V rated value at AC-3 at 690 V rated value	7.5 kW
Auxiliary circuit	7.5 KVV
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO 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	300 V
suitability for use	
main switch	Yes
switch disconnector	Yes
SWICH disconnector EMERGENCY OFF switch	Yes
safety switch	Yes
maintenance/repair switch	Yes
Product details	
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts	3
attachable maximum	
number of connectable NO contacts for auxiliary contacts attachable maximum	5
number of compostable CO sentents for 197	0
number of connectable CO contacts for auxiliary contacts attachable maximum	v
	3
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks	
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit	3
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection	3 4 8 mm
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value	3
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch	3 4 8 mm 50 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA 3.5 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA 3.5 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch	3 4 8 mm 50 kA 3.5 kA 3.5 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA 4 kA2.s 4 kA2.s 4 kA2.s
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s 4 kA2.s 5 tuse gL/gG: 25 A
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A 25 A
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream 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	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s 5 kA 4 kA2.s 4 kA2.s 5 kA 4 kA2.s 5 kA 6 kA2.s 6 kA2.s 7 kA2.s 7 kA2.s 7 kA2.s 7 kA2.s
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum clesign of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream 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-	3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA 4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A 25 A 600 V

508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
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
Mechanical Design	
height	188 mm
width	146 mm
depth	149 mm
type of device	fixed mounting
fastening method	Complete unit in enclosure
fastening method	
• 4-hole front mounting	No
 front mounting with central attachment 	Yes
rail mounting	No
net weight	874 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
General Product Approval	



Confirmation





Miscellaneous



Declaration of Conformity

Test Certificates

Marine / Shipping

other



Miscellaneous



Miscellaneous Confirmation

Environment

Environmental Confirmations

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

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

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

Information on the packaging

com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2165-3VB53

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

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

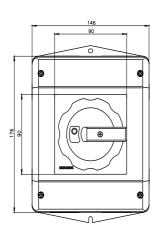
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2165-3VB53

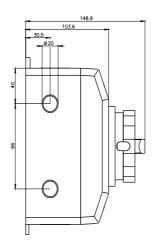
CAx-Online-Generator

http://www.siemens.com/cax

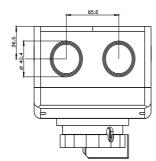
Tender specifications

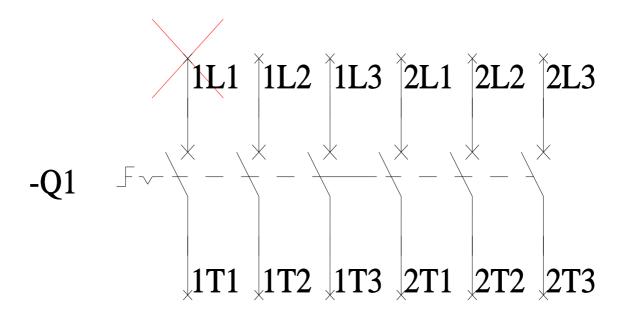
http://www.siemens.com/specifications











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