# SIEMENS

#### Data sheet

### 3LD5200-0TK13



SENTRON, Molded case switch 3LD5 UL, Emergency switching-off, 3-pole, certified according to UL489 UL60947-4-1 and IEC60947-3, UL: 60A, SCCR 50kA at 480VAC, Operating power at 480VAC 3-phase: 40hp, IEC: 63A, Operating power at AC-23A at 400V: 30kW, floor mounting with direct handle, red/yellow, incl. terminal covers for the infeed side

product brand name         SENTRON           product designation         Switch disconnector           design of the product         EMERCENCY-STOP switch           dipperation         1 ON - 0 OFF           type of switch         Floor mounting with direct drive           design of the actuating element         selector switch           color of the actuating element         red           design of handle         knob-operated mechanism, red/yellow           type of switch disconnector         2           number of poles         3           size of switch disconnector         2           mechanical service life (operating cycles) typical         100 000           electrical endurance (operating cycles) typical         100 000           electrical endurance (operating cycles) typical         100 000           operating frequency maximum         50 1/h           diagre of pollution         3           votage         ela AC 23 A at 60 V           operating frequency maximum         600 V           surge voltage resistance rated value         64V           operating frequency rated value         690 V           e at AC 21 A at 04ue         690 V           operating frequency rated value         690 V           operating frequency rated	Model	
design of the product         EMERGENCY-STOP switch           display version for switch position indicator manual operation         10N - 0 OFF           type of switch         Floor mounting with direct drive           design of the actuating element         selector switch           color of the actuating element         selector switch           design of handle         knob-operated mechanism, red/yellow           type of the driving mechanism motor drive         No           Concrat technical data	product brand name	SENTRON
display version for switch position indicator manual operation       1 ON - 0 OFF         type of switch       Floor mounting with direct drive         design of the actuating element       selector switch         color of the actuating element       red         design of handle       knob-operated mechanism, red/yellow         type of the driving mechanism motor drive       No         Central technical data       number of poles         size of switch disconnector       2         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles) typical       100 000         electrical endurance (operating cycles) typical       6000         operating voltage       6         operating voltage rated value       600 V         surge voltage resistance rated value       680 V         surge voltage resistance rated value       680 V         operating voltage       6         • at AC rated value       600 V         operating voltage       6         • at AC rated value       600 V         operating voltage       6         • at AC rated value       600 V         operating voltage       6         • at AC rated value       60 Hz         Protection class IP<	product designation	Switch disconnector
operation         Floor mounting with direct drive           design of the actuating element         red           color of the actuating element         red           design of handle         knob-operated mechanism, red/yellow           type of the driving mechanism motor drive         No           General technical data	design of the product	EMERGENCY-STOP switch
design of the actuating element     selector switch       color of the actuating element     red       design of handle     knob-operated mechanism, red/yellow       type of the driving mechanism motor drive     No       number of poles     3       size of switch disconnector     2       mechanical service life (operating cycles) typical     100 000       electrical endurance (operating cycles) typical     100 000       electrical endurance (operating cycles)     6       • at AC-23 A at 680 V     6 000       operating frequency maximum     50 1/h       degree of pollution     3       Voltage     100 vU       insulation voltage rated value     690 V       operating frequency maximum     60 Hz       operating frequency maximum     60 Hz       operating requency rated value     690 V       operating frequency rated value     690 V       operating frequency rated value     600 V		1 ON - 0 OFF
color of the actualing element     red       design of handle     knob-operated mechanism, red/yellow       type of the driving mechanism motor drive     No       Central tochnical data	type of switch	Floor mounting with direct drive
design of handle       knob-operated mechanism, red/yellow         type of the driving mechanism motor drive       No         General technical data	design of the actuating element	selector switch
type of the driving mechanism motor drive         No           General technical data	color of the actuating element	red
General technical data         number of poles       3         size of switch disconnector       2         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles)       6         • at AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of polluon       3         Voltage       insulation voltage rated value         insulation voltage rated value       690 V         surge voltage resistance rated value       690 V         operating frequency rated value       690 V         operating rotage       690 V         • at AC rated value       690 V         operating rotage       690 V         • at AC rated value       690 V         operating frequency rated value       600 V         operating frequency rated value       600 V         operating frequency rated value       100 Hz         Protection class IP       Protocol class IP on the front         protection class IP on the front       IP00         Dissipation       7.5 W         operating state per pole       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A	design of handle	knob-operated mechanism, red/yellow
number of poles       3         size of switch disconnector       2         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles)       6         • at AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage          insulation voltage rated value       690 V         surge voltage resistance rated value       690 V         operating voltage       • at AC rated value         • at AC rated value       690 V         operating frequency rated value       690 V         operating frequency rated value       600 Hz         Protection class IP       IP00         protection class IP on the front       IP00         Dissipation       7.5 W         operational current       63 A         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A         • at AC-21 A at 440 V rated value	type of the driving mechanism motor drive	No
size of switch disconnector       2         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles)       6         • at AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage rated value       690 V         surge voltage resistance rated value       690 V         operating frequency rated value       60 Hz         Protection class IP       IP00         portestion class IP on the front       IP00         Dissipation       7.5 W	General technical data	
mechanical service life (operating cycles) typical     100 000       electrical endurance (operating cycles)     6 000       operating frequency maximum     50 1/h       degree of pollution     3       Voltage     690 V       surge voltage resistance rated value     690 V       operating frequency maximum     600 V       surge voltage resistance rated value     690 V       operating voltage     690 V       operating frequency rated value     60 Hz       Protection class IP     IP00       protection class IP     IP00       potention class IP on the front     IP00       Dissipation     7.5 W       operating state per pole     63 A       Main circuit     63 A       ot at C-21 at 500 V rated value     63 A       ot at C-21 A at 400 V rated value     63 A       ot at C-21 A at 400 V rated value     63 A       ot at C-21 A at 400 V rated value     63 A	number of poles	3
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       insulation voltage rated value         insulation voltage rated value       690 V         surge voltage resistance rated value       690 V         operating rottage       690 V         • at AC rated value       690 V         operating frequency rated value       60 Hz         Protection class IP       IP00         protection class IP on the front       IP00         Dissipation       7.5 W         operating state per pole       7.5 W         Main circuit       63 A         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated	size of switch disconnector	2
• at AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       6 kV         • at AC rated value       690 V         operating frequency rated value       60 Hz         Protection class IP       IP00         protection class IP on the front       IP00         Dissipation       7.5 W         operating state per pole       7.5 W         operational current       63 A         • at AC-21 A t 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A <th>mechanical service life (operating cycles) typical</th> <th>100 000</th>	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           insulation voltage rated value         690 V           surge voltage resistance rated value         690 V           operating voltage         6 kV           operating frequency rated value         690 V           operation class         P           protection class IP         IP00           protection class IP on the front         IP00           Dissipation         IP00           power loss [W] for rated value of the current at AC in hot operating state per pole         7.5 W           Main circuit         Operational current         63 A           • at AC-21 at 490 V rated value         63 A           • at AC-21 A	electrical endurance (operating cycles)	
degree of pollution       3         Voitage       690 V         insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       6 kV         • at AC rated value       690 V         operating requency rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class IP       IP00         protection class IP on the front       IP00         Dissipation       7.5 W         operating state per pole       7.5 W         Main circuit       63 A         • at AC-21 at 690 V rated value       63 A         • at AC-21 At 240 V rated value       63 A         • at AC-21 At 440 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A	• at AC-23 A at 690 V	6 000
Voltage         insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       6 kV         • at AC rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP on the front       IP00         Dissipation       7.5 W         power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit       63 A         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A	operating frequency maximum	50 1/h
insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       690 V         • at AC rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP on the front       IP00         Dissipation       7.5 W         power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit       operating at 240 V rated value       63 A         • at AC-21 at 690 V rated value       63 A       63 A         • at AC-21 A at 240 V rated value       63 A       63 A         • at AC-21 A at 440 V rated value       63 A       63 A	degree of pollution	3
surge voltage resistance rated value       6 kV         operating voltage       690 V         • at AC rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP on the front       IP00         protection class IP on the front       IP00         Dissipation       7.5 W         Main circuit       63 A         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A	Voltage	
operating voltage       690 V         operating frequency rated value       690 V         operating frequency rated value       60 Hz         minimum       60 Hz         Protection class       IP00         protection class IP       IP00         protection class IP on the front       IP00         protection class IP on the front       IP00         power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit       operational current         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A	insulation voltage rated value	690 V
• at AC rated value690 Voperating frequency rated value50 Hz• minimum50 Hz• maximum60 HzProtection classprotection class IPIP00protection class IP on the frontIP00DissipationOperating state per poleMain circuit7.5 Woperational current63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A	surge voltage resistance rated value	6 kV
operating frequency rated value50 Hz• minimum50 Hz• maximum60 HzProtection classprotection class IPIP00protection class IP on the frontIP00Dissipationpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuit63 A• at AC-21 at 690 V rated value63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A	operating voltage	
• minimum50 Hz• maximum60 HzProtection classIP00protection class IPIP00protection class IP on the frontIP00DissipationIP00power loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuitIP00operational current63 A• at AC-21 at 690 V rated value63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A	<ul> <li>at AC rated value</li> </ul>	690 V
• maximum60 HzProtection classIP00protection class IPIP00protection class IP on the frontIP00DissipationIP00power loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuit63 Aoperational current63 A• at AC-21 at 690 V rated value63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 440 V rated value63 A• at AC-21 A at 440 V rated value63 A	operating frequency rated value	
Protection class       IP00         protection class IP on the front       IP00         protection class IP on the front       IP00         Dissipation       IP00         power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit       Operational current         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A	• minimum	50 Hz
protection class IP       IP00         protection class IP on the front       IP00         Dissipation       IP00         power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit       Operational current         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A	• maximum	60 Hz
protection class IP on the frontIP00Dissipation7.5 Wpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuit63 Aoperational current63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 400 V rated value63 A	Protection class	
Dissipation         Dissipation         power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit       Operational current       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 440 V rated value       63 A	protection class IP	IP00
power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit	protection class IP on the front	IP00
Main circuit         operational current         • at AC-21 at 690 V rated value       63 A         • at AC-21 A at 240 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A         • at AC-21 A at 400 V rated value       63 A	Dissipation	
operational current• at AC-21 at 690 V rated value63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 440 V rated value63 A		7.5 W
• at AC-21 at 690 V rated value63 A• at AC-21 A at 240 V rated value63 A• at AC-21 A at 400 V rated value63 A• at AC-21 A at 440 V rated value63 A	Main circuit	
<ul> <li>at AC-21 A at 240 V rated value</li> <li>at AC-21 A at 400 V rated value</li> <li>at AC-21 A at 440 V rated value</li> <li>63 A</li> <li>63 A</li> </ul>	operational current	
<ul> <li>at AC-21 A at 400 V rated value</li> <li>at AC-21 A at 440 V rated value</li> <li>63 A</li> <li>63 A</li> </ul>	• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 440 V rated value 63 A	• at AC-21 A at 240 V rated value	63 A
	• at AC-21 A at 400 V rated value	63 A
• at AC-23 A at 400 V rated value 63 A	• at AC-21 A at 440 V rated value	63 A
	• at AC-23 A at 400 V rated value	63 A

operating power	
<ul> <li>at AC-23 A at 240 V rated value</li> </ul>	18.5 kW
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	30 kW
<ul> <li>at AC-23 A at 440 V rated value</li> </ul>	30 kW
<ul> <li>at AC-23 A at 690 V rated value</li> </ul>	37 kW
• at AC-3 at 240 V rated value	18.5 kW
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	30 kW
<ul> <li>at AC-3 at 690 V rated value</li> </ul>	30 kW
Auxiliary circuit	
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	
suitability for use main switch	Yes
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use safety switch	Yes
suitability for use 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	2
attachable maximum	
number of connectable NO contacts for auxiliary contacts attachable maximum	4
number of connectable CO contacts for auxiliary contacts	0
attachable maximum	
	1
attachable maximum	-
attachable maximum number of bracket locks maximum	1
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks	1
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse	1
attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection	1 4 6 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 440 V by gG fuse rated value	1 4 6 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value	1 4 6 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 440 V by gG fuse rated value         • 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	1 4 6 mm 50 kA 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 440 V by gG fuse rated value         • 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	1 4 6 mm 50 kA 50 kA 8 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 440 V by gG fuse rated value         • 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	1 4 6 mm 50 kA 50 kA 8 kA 8 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 440 V by gG fuse rated value         • 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         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • 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	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 7 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • 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 440 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 7 kA 30 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • 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 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • 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 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • at 240 V for combination switch + gG fuse maximum         • 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 240 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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         • 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	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • at 640 V for combination 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 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • at 640 V for combination switch         • at 240 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V fo	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         let-through current with closed switch         • at 240 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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 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         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • 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 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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 440 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         let-through current with closed switch         • at 240 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 440 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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 440 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690	1 4 6 mm 50 kA 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A 60 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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         • 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	1 4 6 mm 50 kA 50 kA 8 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A 60 A 60 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 440 V by gG fuse rated value         • at 690 V by gG fuse rated value         let-through current with closed switch         • at 240 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 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • at 240 V for combination switch + gG fuse maximum         • 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         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690 V for combination switch + gG fuse maximum         • at 690	1 4 6 mm 50 kA 50 kA 50 kA 8 kA 8 kA 7 kA 30 kA2.s 30 kA2.s 24 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A 60 A 480 V

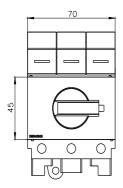
60947-4-1 rated value	
short-time withstand current (SCCR) at 480 V according to	50 kA
UL 508/UL 60947-4-1 and UL 489	
continuous current of upstream fuse according to UL rated value	60 A
type of fuse according to UL	Class J
Connections	
AWG number as coded connectable conductor cross	
section solid maximum	
•	1
•	12
AWG number as coded connectable conductor cross	
section solid according to UL 489 <ul> <li>minimum</li> </ul>	12
• maximum	1
AWG number as coded connectable conductor cross	
section solid according to CSA C22.2 No. 5-16	
• minimum	10
• maximum	4
type of connectable conductor cross-sections for copper conductor	
• solid	1x (450mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (435mm²)
stranded	1x (450mm²)
type of connectable conductor cross-sections for auxiliary contacts	
solid	2x (0.75 2.5 mm²), 1x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
• stranded	2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
type of electrical connection	
for main current circuit	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	106 mm
width	70 mm
depth	95 mm
type of device	fixed mounting
type of device fastening method fastening method	fixed mounting Built-in unit fixed-mounted version
type of device fastening method fastening method • 4-hole front mounting	fixed mounting Built-in unit fixed-mounted version No
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment	fixed mounting Built-in unit fixed-mounted version No No
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting	fixed mounting Built-in unit fixed-mounted version No No Yes
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight	fixed mounting Built-in unit fixed-mounted version No No
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions	fixed mounting Built-in unit fixed-mounted version No No Yes
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation	fixed mounting Built-in unit fixed-mounted version No Yes 370 g
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum	fixed mounting Built-in unit fixed-mounted version No Yes 370 g
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum	fixed mounting Built-in unit fixed-mounted version No No Yes 370 g -25 °C 55 °C -25 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates	fixed mounting Built-in unit fixed-mounted version No No Yes 370 g -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates General Product Approval	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates General Product Approval	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates General Product Approval	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates General Product Approval Confirmation	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates General Product Approval Confirmation	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum Approvals Certificates General Product Approval Confirmation	fixed mounting Built-in unit fixed-mounted version No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device         fastening method         i fastening method         i 4-hole front mounting         i front mounting with central attachment         i rail mounting         net weight         Environmental conditions         ambient temperature during operation         i minimum         i maximum         ambient temperature during storage         i minimum         i maximum         Approvals Certificates         General Product Approval         Example         Confirmation         other	fixed mounting Built-in unit fixed-mounted version No No Yes 370 g -25 °C 55 °C -25 °C 55 °C
type of device         fastening method         fastening method         • 4-hole front mounting         • front mounting with central attachment         • rail mounting         net weight         Environmental conditions         ambient temperature during operation         • minimum         • maximum         ambient temperature during storage         • minimum         • maximum         Approvals Certificates         General Product Approval	fixed mounting Built-in unit fixed-mounted version No No Yes 370 g -25 °C 55 °C -25 °C 55 °C -25 °C 55 °C
type of device         fastening method         i fastening method         i 4-hole front mounting         i front mounting with central attachment         i rail mounting         net weight         Environmental conditions         ambient temperature during operation         i minimum         i maximum         ambient temperature during storage         i minimum         i maximum         Approvals Certificates         General Product Approval         Example         Confirmation         other	fixed mounting Built-in unit fixed-mounted version No No Yes 370 g -25 °C 55 °C -25 °C 55 °C -25 °C 55 °C

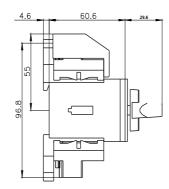
#### Further information

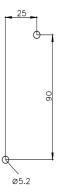
Information on the packaging

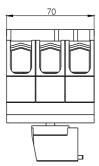
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