## **SIEMENS**

Data sheet 3LD2222-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, Iu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, front-mounted, knob-operated mechanism, red/yellow, 4-hole mounting of the handle

product brand name product designation design of the product display version / for switch position indicator manual operation design of the actuating element design of the actuating element selector switch design of handle type of the driving mechanism / motor drive  Ceneral technical data number of poles 13 Type of device fixed mounting type of switch size of switch disconnector size of switch disconnector  at AC-23 A / at 690 V 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum operating frequency / maximum  poperating frequency / maximum  yotage insulation voltage / rated value protection class IP degree of protection NEMA rating protection class IP / on the front  power loss [W]  • for rated value of the current / at AC / in hot operating stare / per pole e per conductor / typical 1 at 40 °C / rated value 3 2 A  at 40 °C / rated value 3 2 A  at 40 °C / rated value 3 2 A  at 40 °C / rated value 3 2 A	Model	
design of the product display version / for switch position indicator manual operation design of the actuating element design of handle type of the driving mechanism / motor drive No  General technical data number of poles type of switch size of switch front mounted size of switch disconnector getextic file (switching cycles) / typical electrical endurance (switching cycles)  at AC-23 A / at 690 V  Izt value / with closed switch / at 690 V / for combination switch + gG fuse / maximum berefuguency / maximum  let-through Izt value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  surge voltage resistance / rated value for the degree of protection NEMA rating protection class IP degree of protection NEMA rating power loss [W]  • for rated value of the current / at AC / in hot operating fisate / per pole • per conductor / typical  • at 40 °C / rated value • 32 A	product brand name	SENTRON
display version / for switch position indicator manual operation design of the actuating element design of the actuating element design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive No  General technical data number of poles 13 type of device fixed mounting type of switch front mounted size of switch disconnector  mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V  12 t value / with closed switch / at 490 V / for combination switch + gG fuse / maximum operating frequency / maximum  operating frequency / maximum  operating frequency / maximum  operating requency / maximum  fool of kV  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 • per conductor / typical  • at 40 °C / rated value  • 32 A	product designation	3LD Switch disconnector
design of the actuating element design of handle type of the driving mechanism / motor drive No  General technical data  number of poles type of device type of switch size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / et at AC-23 A / ta 690 V / for combination switch + gG fuse / maximum  operating frequency / maximum  tel-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  operating frequency / maximum  50 1/h  Voltage insulation voltage / rated value surge voltage resistance / rated value 680 V surge voltage resistance / rated value 680 V  Protection class IP degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [M]  • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical  • at 40 °C / rated value  • 32 A	design of the product	EMERGENCY-STOP switch
design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive No  General technical data number of poles 3 sype of device fixed mounting type of switch size of switch disconnector 2 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles)		1 ON - 0 OFF
type of the driving mechanism / motor drive  General technical data  number of poles  3 type of device fixed mounting type of switch front mounted size of switch disconnector 2 mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V 6 000 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum operating frequency / maximum  operating frequency / maximum  operating requency / maximum  operating requency / maximum  operation 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 • per conductor / typical  • at 40 °C / rated value  • at 40 °C / rated value  32 A	design of the actuating element	selector switch
Seeneral technical data	design of handle	knob-operated mechanism, red/yellow
number of poles type of device fixed mounting type of switch size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V for combination switch + gG fuse / maximum let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum operating frequency / maximum  50 1/h  Voltage insulation voltage / rated value surge voltage resistance / rated value for combination class IP degree of protection NEMA rating protection class IP / on the front power loss IV  • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical  current operational current • at 40 °C / rated value  32 A	type of the driving mechanism / motor drive	No
type of device type of switch type of switch size of switch disconnector 2 mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles) • at AC-23 A / at 690 V 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum operating frequency / maximum  50 1/h  Voltage insulation voltage / rated value surge voltage resistance / rated value fek V  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 • per conductor / typical  • at 40 °C / rated value  • at 40 °C / rated value  32 A	General technical data	
type of switch 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  12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum elet-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 50 1/h  Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V surge voltage resistance / rated value 6 kV  Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65  Dissipation  power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical 1.8 W  Current  operational current • at 40 °C / rated value 32 A	number of poles	3
size of switch disconnector  mechanical service life (switching cycles) / typical electrical endurance (switching cycles)  • at AC-23 A / at 690 V  12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum  let-through   2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  let-through   2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  operating frequency / maximum  50 1/h  Voltage  insulation voltage / rated value  surge voltage resistance / rated value  690 V  surge voltage resistance / rated value  6 kV  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  • per conductor / typical  1.8 W  Current  operational current  • at 40 °C / rated value  32 A	type of device	fixed mounting
mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V 6 000  12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 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 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 • per conductor / typical  1.8 W  Current operational current • at 40 °C / rated value 32 A	type of switch	front mounted
electrical endurance (switching cycles)  • at AC-23 A / at 690 V  12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum  let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  operating frequency / maximum  operating frequency / maximum  operating frequency / maximum  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  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  • per conductor / typical  1.8 W  Current  operational current  • at 40 °C / rated value  32 A	size of switch disconnector	2
at AC-23 A / at 690 V  12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum  let-through 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  operating frequency / maximum  operating frequency / maximum  voltage insulation voltage / rated value  insulation voltage / rated value  690 V  surge voltage resistance / rated value  6 kV  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  • per conductor / typical  1.8 W  Current  operational current  • at 40 °C / rated value  32 A	mechanical service life (switching cycles) / typical	100 000
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum   9 kA2.s     Iet-through   I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum   50 1/h     Voltage	electrical endurance (switching cycles)	
switch + gG fuse / maximum  let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  operating frequency / maximum  50 1/h  Voltage  insulation voltage / rated value  690 V  surge voltage resistance / rated value  690 V  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  • per conductor / typical  1.8 W  Current  operational current  • at 40 °C / rated value  32 A	• at AC-23 A / at 690 V	6 000
combination switch + gG fuse / maximum  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  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  • per conductor / typical  Operational current  • at 40 °C / rated value  32 A		9 kA2.s
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV  Protection class  protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65  Dissipation  power loss [W]		9 kA2.s
insulation voltage / rated value  surge voltage resistance / rated value  6 kV  Protection class  protection class IP  degree of protection NEMA rating  1, 3R, 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  • per conductor / typical  Current  operational current  • at 40 °C / rated value  6 kV  IP65  IP65  IP65  IP65  I 8 W  32 A	operating frequency / maximum	50 1/h
surge voltage resistance / rated value  Protection class  protection class IP  degree of protection NEMA rating 1, 3R, 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  • per conductor / typical  Current  operational current • at 40 °C / rated value  6 kV  IP65  IP66  IP	Voltage	
protection class IP  degree of protection NEMA rating 1, 3R, 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 • per conductor / typical  Otherwise At 40 °C / rated value  32 A	insulation voltage / rated value	690 V
protection class IP  degree of protection NEMA rating  1, 3R, 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 • per conductor / typical  Current  operational current • at 40 °C / rated value	surge voltage resistance / rated value	6 kV
degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] of or rated value of the current / at AC / in hot operating state / per pole oper conductor / typical  Current  operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current operational current	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 • per conductor / typical  Current  operational current • at 40 °C / rated value  IP65  1.8 W  32 A	protection class IP	IP65
power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical  Current  operational current • at 40 °C / rated value  1.8 W	degree of protection NEMA rating	1, 3R, 4X, 12
power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical  Current  operational current • at 40 °C / rated value  1.8 W	protection class IP / on the front	IP65
• for rated value of the current / at AC / in hot operating state / per pole     • per conductor / typical  Current  operational current     • at 40 °C / rated value  1.8 W  32 A	Dissipation	
operating state / per pole  • per conductor / typical  Current  operational current  • at 40 °C / rated value  32 A	power loss [W]	
Current  operational current  • at 40 °C / rated value 32 A		1.8 W
operational current  ● at 40 °C / rated value 32 A	<ul> <li>per conductor / typical</li> </ul>	1.8 W
• at 40 °C / rated value 32 A	Current	
	operational current	
• at 45 °C / rated value 32 A	• at 40 °C / rated value	32 A
	• at 45 °C / rated value	32 A

at 50 °C / rated value at 61 °C / rated value at 62 °C / rated value at 63 °C / rated value at 64 °C / rated value at 64 °C / rated value at 65 °C / rated value at 67 °C / rated value at 68 °C / rated valu		
	<ul><li>at 50 °C / rated value</li></ul>	32 A
	<ul> <li>at 55 °C / rated value</li> </ul>	32 A
	<ul> <li>at AC / rated value</li> </ul>	32 A
e at AC-21 A i at 440 V / rated value 32 A operational current / of upstream lise i rated value 40 A lei-through current / with closed switch 9 G fuse / maximum e at 600 V for combination switch 9 G fuse / maximum permissible witch 9 G fuse / maximum permissible witch 9 G fuse / maximum permissible witch 9 G fuse / 4.5 kA maximum permissible witch 9 G fuse / maximum permissible 10 G fuse / maximum permi	<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	22 A
e at AC-21 A 1 at 440 V / reted value  let-through current / with closed switch  e at 440 V / for combination switch + gG fuse / maximum  e at 690 V / for combination switch + gG fuse / maximum  e at 690 V / for combination switch + gG fuse / maximum permissible  Main circuit  operating power  e at AC-23 A / at 400 V / rated value  e at AC-23 A / at 440 V / rated value  e at AC-23 A / at 440 V / rated value  e at AC-23 A / at 440 V / rated value  e at AC-33 A / at 440 V / rated value  e at AC-33 A / at 490 V / rated value  e at AC-33 A / at 400 V / rated value  e at AC-33 A / at 400 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  e at AC-33 A / at 600 V / rated value  goperating versus  poperating versus  poperating versus  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V / rated value  e at AC-30 A / at 600 V /	<ul><li>at AC-21 / at 690 V / rated value</li></ul>	32 A
operational current / or upstream fuse / rated value let through current / with closed switch at 44 0 V / for combination switch + gG fuse / maximum at 660 V / for combination switch + gG fuse / maximum permissible  Main circuit operating power at AC-23 A / at 420 V / rated value at AC-23 A / at 420 V / rated value at AC-23 A / at 440 V / rated value 11.5 kW at AC-23 A / at 440 V / rated value 11.5 kW at AC-23 A / at 440 V / rated value 11.5 kW at AC-23 A / at 440 V / rated value 11.5 kW at AC-31 at 240 V / rated value 5.5 kW at AC-31 at 240 V / rated value 9.5 kW at AC-31 at 240 V / rated value 9.5 kW at AC-31 at 240 V / rated value 9.5 kW operational current / rated value 32. A  Auxiliary circuit number of Co contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<ul><li>at AC-21 A / at 240 V / rated value</li></ul>	32 A
let-through current / with closed switch  at 440 V / for combination switch + gG fuse / maximum  at 890 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 440 V / rated value  at AC-23 A / at 440 V / rated value  at AC-23 A / at 440 V / rated value  at AC-23 A / at 440 V / rated value  at AC-31 at 240 V / rated value  at AC-31 at 240 V / rated value  at AC-31 at 240 V / rated value  at AC-31 at 260 V / rated value  at AC-31 at 260 V / rated value  55 kW  at AC-31 at 96 SW / rated value  9.5 kW  operational current / rated value  value at AC-31 at 960 V / rated value  9.5 kW  operational current / for auxiliary contacts  number of NC contacts / for auxiliary contacts  0  number of NC contacts / for auxiliary contacts  0  operating voltage / of auxiliary contacts of the auxiliary contact of the contact of the auxiliary contact of the	<ul><li>at AC-21 A / at 440 V / rated value</li></ul>	32 A
at 440 V / for combination switch + gG fuse / maximum at 890 V / for combination switch + gG fuse / maximum permissible  Main circuit operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value 11.5 kW at AC-23 A / at 400 V / rated value 11.5 kW at AC-23 A / at 400 V / rated value 11.5 kW at AC-23 A / at 400 V / rated value 11.5 kW at AC-31 at 240 V / rated value 55 kW at AC-31 at 240 V / rated value 55 kW at AC-31 at 240 V / rated value 95 kW perational current / rated value 97.5 kW at AC-31 at 690 V / rated value 98.5 kW at AC-31 at 690 V / rated value 99.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW at AC-31 at 690 V / rated value 90.5 kW	operational current / of upstream fuse / rated value	40 A
maximum emissible  Main circuit  operating power  at AC-23 A rat 240 V / rated value  at AC-23 A rat 40 V / rated value  at AC-23 A rat 40 V / rated value  11.5 kW  at AC-23 A rat 40 V / rated value  11.5 kW  at AC-32 A rat 40 V / rated value  11.5 kW  at AC-32 A rat 40 V / rated value  11.5 kW  at AC-32 A rated value  5.5 kW  at AC-31 at 90 V / rated value  5.5 kW  at AC-31 at 90 V / rated value  9.5 kW  operational current / rated value  10 0  number of CO contacts / for auxiliary contacts  0  number of NC contacts / for auxiliary contacts / rated value  insulation voltage / of the auxiliary switch / rated value  2 valuability  sultability for use  • main switch  • switch falsoconnector  • kes  • main switch  • product function / can be locked into OFF position  number of bracket locks / maximum  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  solvel voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse  protection  • at 690 V / by gG fuse / rated value  solvel voltage / rated	let-through current / with closed switch	
maximum permissible  Main a Creut  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-33 A / at 690 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 290 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value 9.5 kW • at AC-3 / at 690 V / rated value 9.5 kW  coperational current / rated value 32 A  Auxillary circuit  number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 coperating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxillary switch / rated value  Suitability  suitability for use • main switch • switch disconnector • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • maintenance/repair switch  / yes • safety switch • maintenance/repair switch  / yes • afety switch • maintenance/repair switch  / yes • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  o motor drive • voltage rigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 / by gG fuse / rated value  solved - voltage rigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 / by gG fuse / rated value  active power [hp] / at AC / at 2006 Hz / according to UL 508/UL 00947-4-1 / rated value  active power [hp] / at AC / at 2006 Hz / according to UL 508/UL 00947-4-1 / rated value		4.5 kA
operating power  at AC-23 A / at 440 V / rated value  at AC-23 A / at 440 V / rated value  11.5 kW  at AC-23 A / at 440 V / rated value  11.5 kW  at AC-33 A / at 490 V / rated value  11.5 kW  at AC-3 / at 240 V / rated value  5.5 kW  at AC-3 / at 240 V / rated value  5.5 kW  at AC-3 / at 2690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  9.5 kW  at AC-3 / at 690 V / rated value  10.0 contacts / for auxiliary contacts  0 number of NC contacts / for auxiliary contacts  0 operating voltage / of auxiliary contacts  0 operating voltage / of the auxiliary contact / rated value  500 V  20 voltage / of the auxiliary switch / rated value  500 V  20 voltage / of the auxiliary switch / rated value  500 V  20 voltage / of the auxiliary switch / rated value  500 V  20 voltage / of the auxiliary switch / rated value  500 V  20 voltage / of the auxiliary switch / rated value  70 voltage / of the auxiliary switch / rated value  10 voltage / of the auxiliary switch / rated value  20 voltage / of the auxiliary switch / rated value  21 voltage / of the proceed of the sacked locks / maximum  22 hasp thickness / of the bracked locks / maximum  23 hasp thickness / of the bracked locks / maximum  24 hasp thickness / of the bracked locks / maximum  25 hasp thickness / of the bracked locks / maximum  26 hasp thickness / of the bracked locks / maximum  27 hasp thickness / of the bracked locks / maximum  28 hasp thickness / of the bracked locks / maximum  29 hasp thickness / of the bracked locks / maximum  20 hasp thickness / of the bracked locks / maximum  20 hasp thickn		4.5 kA
• 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 690 V / rated value • at AC-3 / at 240 V / rated value • 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 600 V / rated value • at AC-3 / at 600 V / rated value • at AC-3 / at 600 V / rated value • at AC-3 / at 600 V / rated value • at AC-3 / at 600 V / rated value  operational current / rated value  activity circuit  number of CO contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  o continuous current / at five auxiliary contacts  o continuous current / of the auxiliary contact / rated value  insulation voltage / of twalliary switch / rated value  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • real retreation of the actuating element  Product datais  • product function / can be locked into OFF position  Appearance color / of the actuating element  Product datais  • product function / can be locked into OFF position  No  hasp thickness / of the bracket locks / maximum  product extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse profection • at 680 V / by gG fuse / rated value  scoreding Ut  operating voltage / at AC / according to Ut  S08Ut 60947-4-1 / rated value  active power [hp] / at AC / at 60/60 Hz / according to Ut  508Ut 60947-4-1 / rated value  active power [hp] / at AC / at 60/60 Hz / according to Ut  508Ut 60947-4-1 / rated value	Main circuit	
• at AC-23 A / at 400 V / rated value	operating power	
at AC-23 A / at 490 V / rated value at AC-23 A / at 590 V / rated value at AC-27 A / at 590 V / rated value 5.5 kW at AC-3 / at 400 V / rated value 9.5 kW eat AC-3 / at 400 V / rated value 9.5 kW operational current / rated value 9.5 kW operational current / rated value 9.5 kW operational current / rated value 0.32 A  Auxiliary circuit number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contact / rated value 0 operating voltage / of auxiliary contact / rated value 0 operating voltage / of auxiliary contact / rated value 0 ontinuous current / of the auxiliary switch / rated value 0 over the following of the auxiliary switch / rated value 0 over the following of the auxiliary switch / rated value 0 over the following over the follo	<ul> <li>at AC-23 A / at 240 V / rated value</li> </ul>	6 kW
at AC-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value 5.5 kW at AC-3 / at 490 V / rated value 9.5 kW  operational current / rated value 9.5 kW  operational current / rated value 0.5 kW  operational current / rated value 0.5 kW  operational current / rated value 0.5 kW  operational current / or auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V  continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value  switch disconnector • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • product details • product function / can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum • notor drive • voltage trigger  Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / 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	<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	11.5 kW
at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value 9.5 kW 9.5 kW  at AC-3 / at 690 V / rated value 9.5 kW  operational current / rated value 3.2 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 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contact at AC / maximum continuous current / of the auxiliary contact of at AC / maximum continuous current / of the auxiliary switch / rated value 10 A insulation voltage / of the auxiliary switch / rated value  **main switch **switch disconnector **EMERGENCY OFF switch **safety switch **safety switch **safety switch **en anitenance/repair switch  **Pes **safety switch **product details  **product details **product function / can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum Ansp thickness / of the bracket locks / minimum 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  according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value according UL operational current / at AC / at 50/80 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	<ul><li>at AC-23 A / at 440 V / rated value</li></ul>	11.5 kW
at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value 9.5 kW  at AC-3 / at 690 V / rated value 9.5 kW  22 A  Auxillary circuit  number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NO contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxillary contact / rated value insulation voltage / of the auxillary switch / rated value 500 V  Suitability  Suitability for use  main switch switch disconnector EMERGENCY OFF switch safety switch Safety switch Measurement / Yes maintenance/repair switch Appearance color / of the actuating element  Product dotatis  product function / can be locked into OFF position number of bracket locks / maximum product extension / optional motor drive No No No Short circuit conditional short-circuit current / with line-side fuse protection 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	<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	11.5 kW
• at AC-3 / at 690 V / rated value  operational current / rated value  Auxiliary circuit  number of CO contacts / for auxiliary contacts  number of NC 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  insulation voltage / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  insulation voltage / of the paracter   voltage / volt	<ul><li>at AC-3 / at 240 V / rated value</li></ul>	5.5 kW
operational current / rated value 32 A  Auxiliary circuit  number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value insulation voltage / 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 • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch  Appearance color / of the actuating element  Product details • product function / can be locked into OFF position  number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum  semporeduct extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by g fuse / rated value  scoording UL operational current / at AC / at 2006 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	• at AC-3 / at 400 V / rated value	9.5 kW
Auxillary circuit number of CO contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / 500 V contacts / for auxiliary contacts / 14 C/ raximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / Yes sout voltage / of the auxiliary switch / Yes sout voltage / of the auxiliary switch / Yes sout voltage / of the auxiliary switch / Yes Appearance color / of the actuating element / Yes Appearance color / of the actuating element / red Product details  product function / can be locked into OFF position / Yes number of bracket locks / maximum / 2 hasp thickness / of the bracket locks / minimum / 4 mm hasp thickness / of the bracket locks / maximum / 6 mm product extension / optional not voltage trigger / No Short circuit conditional short-circuit current / with line-side fuse protection sout 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	<ul><li>at AC-3 / at 690 V / rated value</li></ul>	9.5 kW
Auxillary circuit number of CO contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / 500 V contacts / for auxiliary contacts / 14 C/ raximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / rated value sout voltage / of the auxiliary switch / Yes sout voltage / of the auxiliary switch / Yes sout voltage / of the auxiliary switch / Yes sout voltage / of the auxiliary switch / Yes Appearance color / of the actuating element / Yes Appearance color / of the actuating element / red Product details  product function / can be locked into OFF position / Yes number of bracket locks / maximum / 2 hasp thickness / of the bracket locks / minimum / 4 mm hasp thickness / of the bracket locks / maximum / 6 mm product extension / optional not voltage trigger / No Short circuit conditional short-circuit current / with line-side fuse protection sout 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	operational current / rated value	32 A
number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 poerating voltage / of auxiliary contacts 0 poerating voltage / of auxiliary contacts   500 V continuous current / of the auxiliary contact / rated value   500 V	·	
number of NC contacts / for auxillary contacts 0  number of NC contacts / for auxillary contacts 0  operating voltage / of auxillary contacts / at AC / maximum 500 V  continuous current / of the auxillary contact / rated value insulation voltage / of the auxillary switch / rated value 500 V  Sultability  suitability for use		0
number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary switch / rated value 500 V suitability suitability or use  • main switch ves • main switch safety of the switch / rated value 500 V suitability suitability or use • main switch ves • main switch ves • safety switch 7es • EMERGENCY OFF switch 7es • safety switch 7es • safety switch 7es • maintenance/repair switch 7es • maintenance/repair switch 7es  Appearanco color / of the actuating element 7ed  Product details • product function / can be locked into OFF position 7es number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 6 mm product extension / optional • motor drive 8 • voltage trigger 8 No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 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		
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V  Suitability  suitability for use  • main switch • switch disconnetor • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum • 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 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		
continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value  Suitability  suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Product details  • product function / can be locked into OFF position number of bracket locks / maximum  hasp thickness / of the bracket locks / maximum  product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  at very process of the sucked 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		
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 dutation / can be locked into OFF position number of bracket locks / maximum  product extension / optional • motor drive • wottage 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  attive power hpr / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  attive power hpr / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  attive power hpr / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  attive power hpr / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value		
Suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch  Appearance  color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value  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	•	
suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Product volume of bracket locks / maximum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger  Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power   Imp / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  active power   Imp / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  20  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		
main switch switch disconnector Set EMERGENCY OFF switch safety switch maintenance/repair switch Yes  Appearance color / of the actuating element red  Product details  product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive 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		
switch disconnector     EMERGENCY OFF switch     safety switch     maintenance/repair switch     maintenance/repair switch     red  Appearance  color / of the actuating element     red  Product details      product function / can be locked into OFF position     number of bracket locks / maximum     2     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     product extension / optional          number of 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	-	Yes
EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Yes  Appearance  color / of the actuating element red  Product details  • product function / can be locked into OFF position number of bracket locks / maximum Assp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional e motor drive voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection e 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 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		
safety switch     maintenance/repair switch  Appearance  color / of the actuating element  Product details      product function / can be locked into OFF position number of bracket locks / maximum     pasy thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     product extension / optional		
maintenance/repair switch     Appearance     color / of the actuating element     red  Product details		
Appearance  color / of the actuating element red  Product details  • product function / can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm  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  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		
color / of the actuating element  Product details  ● product function / can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 6 mm product extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value  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 V / according to UL 508/UL 60947-4-1 / rated value  2  hasp function Yes hmm hmm hmm hmm hmm hmm hmm hmm hmm hm		
Product details  • product function / can be locked into OFF position number of bracket locks / maximum 12 hasp thickness / of the bracket locks / minimum 13 hasp thickness / of the bracket locks / maximum 14 hasp thickness / of the bracket locks / maximum 15 hasp thickness / of the bracket locks / maximum 16 hasp thickness / of the bracket locks / maximum 16 hasp thickness / of the bracket locks / maximum 16 hasp thickness / of the bracket locks / maximum 16 hasp thickness / of the bracket locks / maximum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / minimum 16 hasp thickness / of the bracket locks / maximum 16 hasp thickness / of the bracket locks / maximum 17 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness / of the bracket locks / maximum 18 hasp thickness /		165
product function / can be locked into OFF position     number of bracket locks / maximum     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     fo mm  product extension / optional	Appearance	
number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  omotor drive  ovoltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection  omotor drive  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 V / according to UL 508/UL 60947-4-1 / rated value  2  hmm hmm hmm hmm hmm hmm hmm hmm hmm	Appearance color / of the actuating element	
hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  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  sperational 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 480 V / according to UL 508/UL 60947-4-1 / rated value	Appearance color / of the actuating element Product details	
hasp thickness / of the bracket locks / maximum  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  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 480 V / according to UL 508/UL 60947-4-1 / rated value	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position	red
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  secording 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 480 V / according to UL 508/UL 60947-4-1 / rated value	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum	red Yes 2
<ul> <li>motor drive</li> <li>voltage trigger</li> <li>No</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> <li>according UL</li> </ul> operational current / at AC / according to UL 508/UL <ul> <li>60947-4-1 / rated value</li> <li>operating voltage / at AC / at 50/60 Hz / according to UL</li> <li>508/UL 60947-4-1 / rated value</li> </ul> active power [hp] / at AC / at 480 V / according to UL <ul> <li>508/UL 60947-4-1 / rated value</li> </ul> 20 508/UL 60947-4-1 / rated value	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum	red Yes 2 4 mm
● voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection  ● at 690 V / by gG fuse / rated value  50 kA  according UL  operational current / at AC / according to UL 508/UL 60947-4-1 / rated value  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  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum	red Yes 2 4 mm
Short circuit  conditional short-circuit current / with line-side fuse protection  • at 690 V / by gG fuse / rated value  50 kA  according UL  operational current / at AC / according to UL 508/UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional	red  Yes 2 4 mm 6 mm
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  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive	red  Yes 2 4 mm 6 mm  No
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  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional  • motor drive • voltage trigger	red  Yes 2 4 mm 6 mm  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  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional  • motor drive • voltage trigger  Short circuit	red  Yes 2 4 mm 6 mm  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  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger  Short circuit conditional short-circuit current / with line-side fuse protection	red  Yes 2 4 mm 6 mm  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  20	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum  product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value	red  Yes 2 4 mm 6 mm  No No
active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum  product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value	red  Yes 2 4 mm 6 mm  No No
508/UL 60947-4-1 / rated value	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • 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	red  Yes 2 4 mm 6 mm  No No
	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • 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	red  Yes 2 4 mm 6 mm  No No No
active power [hp] / at AC / at 600 V / according to UL 20	Appearance  color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional  • motor drive  • 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	red  Yes 2 4 mm 6 mm  No No No  50 kA
	Appearance color / of the actuating element  Product details  • product function / can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum  product extension / optional • motor drive • 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	red  Yes 2 4 mm 6 mm  No No No  50 kA  32 A  600 V

508/UL 60947-4-1 / rated value	
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA
continuous current / of upstream fuse / according to UL / rated value	80 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	3
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	3
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)
<ul><li>finely stranded / with core end processing</li></ul>	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
• finely stranded / with core end processing	switch 1x (0,75 2,5mm²) 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	
type of electrical connection  • for main current circuit	box terminal
**	box terminal connection terminals
for main current circuit	
for main current circuit     for auxiliary contacts	
for main current circuit     for auxiliary contacts  Requirements	
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit /	connection terminals
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch /	connection terminals  fuse gL/gG: 40 A
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required	connection terminals  fuse gL/gG: 40 A
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design	fuse gL/gG: 40 A fuse gL/gG: 10 A
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design  height	fuse gL/gG: 40 A fuse gL/gG: 10 A
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design  height  width	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design height width depth	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design  height  width depth fastening method fastening method  • 4-hole front mounting	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design height width depth fastening method fastening method     4-hole front mounting     front mounting with central attachment	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm Built-in unit fixed-mounted version
for main current circuit         for auxiliary contacts  Requirements  design of the fuse link         for short-circuit protection of the main circuit / required         for short-circuit protection of the auxiliary switch / required  Mechanical Design  height  width  depth  fastening method  fastening method          4-hole front mounting         front mounting with central attachment         rail mounting	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm Built-in unit fixed-mounted version  Yes No No
for main current circuit         • for auxiliary contacts  Requirements  design of the fuse link         • for short-circuit protection of the main circuit / required         • for short-circuit protection of the auxiliary switch / required  Mechanical Design  height     width     depth     fastening method         • 4-hole front mounting         • front mounting with central attachment         • rail mounting     net weight	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm Built-in unit fixed-mounted version  Yes No
for main current circuit         for auxiliary contacts  Requirements  design of the fuse link         for short-circuit protection of the main circuit / required         for short-circuit protection of the auxiliary switch / required  Mechanical Design  height  width  depth  fastening method  fastening method          4-hole front mounting         front mounting with central attachment         rail mounting	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm Built-in unit fixed-mounted version  Yes No No
for main current circuit         • for auxiliary contacts  Requirements  design of the fuse link         • for short-circuit protection of the main circuit / required         • for short-circuit protection of the auxiliary switch / required  Mechanical Design  height     width     depth     fastening method         • 4-hole front mounting         • front mounting with central attachment         • rail mounting     net weight	fuse gL/gG: 40 A fuse gL/gG: 10 A  71 mm 49 mm 85.5 mm Built-in unit fixed-mounted version  Yes No No 178 g
for main current circuit     for auxiliary contacts  Requirements  design of the fuse link     for short-circuit protection of the main circuit / required     for short-circuit protection of the auxiliary switch / required  Mechanical Design  height  width  depth  fastening method  fastening method  o 4-hole front mounting     front mounting with central attachment     rail mounting  net weight  Environmental conditions	fuse gL/gG: 40 A  fuse gL/gG: 10 A  71 mm  49 mm  85.5 mm  Built-in unit fixed-mounted version  Yes No No 178 g
for main current circuit         • for auxiliary contacts  Requirements  design of the fuse link         • for short-circuit protection of the main circuit / required         • for short-circuit protection of the auxiliary switch / required  Mechanical Design  height     width     depth     fastening method         • 4-hole front mounting         • front mounting with central attachment         • rail mounting     net weight  Environmental conditions  ambient temperature / during operation         • minimum         • maximum	fuse gL/gG: 40 A  fuse gL/gG: 10 A  71 mm  49 mm  85.5 mm  Built-in unit fixed-mounted version  Yes No No 178 g
for main current circuit         for auxiliary contacts  Requirements  design of the fuse link         for short-circuit protection of the main circuit / required         for short-circuit protection of the auxiliary switch / required  Mechanical Design  height         width         depth         fastening method         fastening method	fuse gL/gG: 40 A  fuse gL/gG: 10 A  71 mm  49 mm  85.5 mm  Built-in unit fixed-mounted version  Yes No No 178 g











Declaration of Conformity

**Test Certificates** 

Marine / Shipping

other



Special Test Certificate







Environmental Confirmations

## **Further information**

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2222-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2222-0TK13

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2222-0TK13

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications











