## SIEMENS

## Data sheet

## 3LD3250-1TK13



Load disconnector 3LD3, lu 32 A Main switch 3-pole Rated operating capacity for AC-23 A at 400V 11.5kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive red / yellow 48x48 mm with auxiliary switch 1OE + 1S

Model		
product brand name	SENTRON	
product designation	3LD Switch disconnector	
design of the product	EMERGENCY-STOP switch	
display version / for switch position indicator manual operation	1 ON - 0 OFF	
design of the actuating element	selector switch	
design of handle	knob-operated mechanism, red/yellow	
type of the driving mechanism / motor drive	No	
General technical data		
number of poles	3	
number of poles / note	3	
type of device	fixed mounting	
type of switch	front mounted	
mechanical service life (switching cycles) / typical	100 000	
electrical endurance (switching cycles)		
• at AC-23 A / at 690 V	6 000	
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	9 kA2.s	
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	9 kA2.s	
operating frequency / maximum	50 1/h	
Voltage		
insulation voltage / rated value	690 V	
surge voltage resistance / rated value	6 kV	
Protection class		
protection class IP	IP65	
degree of protection NEMA rating	1, 3R, 4X, 12	
protection class IP / on the front	IP65	
Dissipation		
power loss [W]		
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	1.8 W	
per conductor / typical	2 W	
Current		
operational current		
● at 40 °C / rated value	32 A	
• at 45 °C / rated value	32 A	
● at 50 °C / rated value	32 A	
● at 55 °C / rated value	32 A	

• at AC21 / at 650 V / rated value     32 A       • at AC2 / A / at 40 V / rated value     32 A       • at AC2 / A / at 40 V / rated value     32 A       • at AC2 / A / at 40 V / rated value     32 A       • at 40 V / for combination switch + gG fuse / maximum     4.5 kA       • at 40 V / for combination switch + gG fuse / maximum     5 KA       • at 40 V / for combination switch + gG fuse / maximum     5 KA       • at AC23 A / at 40 V / rated value     6 kW       • at AC23 A / at 40 V / rated value     1 / KW       • at AC23 A / at 40 V / rated value     1 / KW       • at AC23 A / at 40 V / rated value     1 / KW       • at AC23 A / at 40 V / rated value     5 / KW       • at AC23 A / at 40 V / rated value     1 / KW       • at AC23 / at 400 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW       • at AC3 / at 40 V / rated value     9 / KW <td< td=""><td><ul> <li>at AC / rated value</li> </ul></td><td>32 A</td></td<>	<ul> <li>at AC / rated value</li> </ul>	32 A
• at AC-21 Ar / at 240 V/ rated value     32 A       operational current / vith closed switch     92 A       Ist-Trough current / vith closed switch     4 5 KA       maximum     • at 400 V/ for combination switch + gG fuse /     5 KA       maximum permisable     5 KA       Main circuit     92 A       operational current / vith closed switch     6 fuse /       • at 600 V / for combination switch + gG fuse /     5 KA       maximum permisable     6 KW       • at AC-23 Ar ist 240 V / rated value     1 K W       • at AC-23 Ar ist 240 V / rated value     1 K W       • at AC-32 Ar ist 240 V / rated value     1 K W       • at AC-32 Ar ist 240 V / rated value     1 K W       • at AC-32 Ar ist 240 V / rated value     1 K W       • at AC-32 Ar ist 240 V / rated value     1 K W       • at AC-32 Ar ist 240 V / rated value     5 K W       • at AC-37 at 400 V / rated value     5 K W       • at AC-37 at 400 V / rated value     5 K W       • at AC-37 at 400 V / rated value     5 K W       • at AC-37 at 400 V / rated value     10 K       • at AC-37 at 400 V / rated value     10 K       • at AC-37 at 400 V / rated value     10 K       • at AC-37 at 400 V / rated value     10 A       • number of NC contacts / for auxillary contacts     1       • operational current / rated va	<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	
• et AC-21 A / pt 44 0V / / rated value         32 A           operational current / of uppersem fuse / rated value         32 A           • et A4U V / / for combination switch + gG fuse / maximum         4.5 kA           • at 800 V / / for combination switch + gG fuse / maximum         5 kA           • at 800 V / / for combination switch + gG fuse / maximum         5 kA           • at AC-23 A / at 240 V / rated value         5 kA           • at AC-23 A / at 240 V / rated value         1.5 kW           • at AC-23 A / at 400 V / rated value         1.5 kW           • at AC-33 A / at 400 V / rated value         1.5 kW           • at AC-31 at 400 V / rated value         1.5 kW           • at AC-31 at 400 V / rated value         2.2 kW           • at AC-31 at 400 V / rated value         3.2 k           Maximum combact / for auxiliary contacts         0           number of Co contacts / for auxiliary contacts         1           number of No contacts / for auxiliary contacts         1           operating votage / of auxiliary contacts         10 A           insultion votage / of the auxiliary contacts         10 A           insultion votage / of the auxiliary contacts         10 A           insultion votage / of the auxiliary contacts         10 A           insultion votage / of the auxiliary contacts         10 A	<ul> <li>at AC-21 / at 690 V / rated value</li> </ul>	32 A
operational current / of upstream fise / rated value         32 A           let-Hrougin current / with closed withch         32 A           let-Hrougin current / with closed withch         45 KA           et 6800 // for combination switch + gG tuse / maximum permissible         5 KA           maximum permissible         6 KW           et A CC33 A rait 240 V / rated value         6 KW           et A CC33 A rait 240 V / rated value         12 KW           et A CC33 A rait 240 V / rated value         12 KW           et A CC33 A rait 240 V / rated value         12 KW           et A CC33 A rait 240 V / rated value         13 KW           et A CC33 A rait 240 V / rated value         15 KW           et A CC33 A rait 240 V / rated value         15 KW           et A CC33 A rait 260 V / rated value         16 KW           et A CC3 a rait 600 V / rated value         10 KW           et A CC3 a rait 600 V / rated value         10 KW           et A CC3 a rait 600 V / rated value         10 A           number of NC contacts / for auxillary contacts         1           operating value / rated value         10 A           insubstom value / rated value         10 A           insubstom value / rated value         10 A           insubstom value / rated value         10 A           insubs	<ul> <li>at AC-21 A / at 240 V / rated value</li> </ul>	
isd:Trough current / with closed switch       4.5 kA         • at 460 // for combination switch + gG fuse / maximum permissible       5.kA         Main circoit       operating power         • at AC-23 Ar at 240 / rated value       5.kA         • at AC-23 Ar at 240 / rated value       12.kW         • at AC-23 Ar at 240 / rated value       12.kW         • at AC-23 Ar at 240 / rated value       12.kW         • at AC-23 Ar at 240 / rated value       12.kW         • at AC-23 Ar at 240 / rated value       12.kW         • at AC-31 at 240 / rated value       22.A         Munifiery circuit       0         number of Co contexts / for auxiliary contacts       1         number of Co contacts / for auxiliary contacts       1         - operating during / during contacts       1         - operating during / during contacts       10 A         meaber of No contacts / in auxiliary contact       10 A         meaber of No contacts / in auxiliary contact       10 A         meaber of No contacts / in auxiliary contact       10 A         meaber of No contacts / in auxiliary contact       10 A         meaber of No contacts / in auxiliary contact       10 A         meaber of No contacts / in auxiliary contact       10 A         meaber of No contacts / in auxiliary contact       <	at AC-21 A / at 440 V / rated value	32 A
• at 440 V / for combination switch + gG fuse / maximum     4.5 kA       • at 690 V / for combination switch + gG fuse / maximum permissible     5 kA <b>Main circuit</b> <b>operating power</b> <ul> <li>• at AC-23 A / at 240 V / rated value</li> <li>0 kW</li> <li>• at AC-23 A / at 240 V / rated value</li> <li>12 kW</li> <li>• at AC-23 A / at 240 V / rated value</li> <li>12 kW</li> <li>• at AC-23 A / at 240 V / rated value</li> <li>12 kW</li> <li>• at AC-3 A / at 240 V / rated value</li> <li>12 kW</li> <li>• at AC-3 A / at 240 V / rated value</li> <li>12 kW</li> <li>• at AC-3 / at 240 V / rated value</li> <li>12 kW</li> <li>• at AC-3 / at 240 V / rated value</li> <li>95 kW</li> <li>• at AC-3 / at 400 V / rated value</li> <li>95 kW</li> <li>• at AC-3 / at 400 V / rated value</li> <li>95 kW</li> <li>• at AC-3 rated value</li> <li>95 kW</li> <li>• at AC-3 rated value</li> <li>96 kW</li> <li>• at AC-3 rated value</li> <li>90 kW</li> <li>• at AC-3 rated value</li> <li>00 kW</li> <li>• at AC-3 rated value</li> <li>00 kW</li> <li>• at AC-3 rated value<td>operational current / of upstream fuse / rated value</td><td>32 A</td></li></ul>	operational current / of upstream fuse / rated value	32 A
maximum       a reading       5 kA         maximum permissible       6 kW         at AC-23 A / at 440 V / rated value       6 kW         at AC-23 A / at 440 V / rated value       12 kW         at AC-23 A / at 440 V / rated value       12 kW         at AC-23 A / at 40 V / rated value       12 kW         at AC-23 A / at 40 V / rated value       15 kW         at AC-23 A / at 40 V / rated value       5 kW         at AC-23 A / at 40 V / rated value       5 kW         at AC-23 A / at 40 V / rated value       5 kW         at AC-23 A / at 40 V / rated value       5 kW         operational current / rated value       5 kW         operational current / rated value       5 kW         operational culturent / rated value       50 W         operational culturent / rated value       50 W         operating valueg / of axuliary contacts       1         number of NC contacts / for axuliary contacts       1         ontimuus current / rated value       500 V         oblications       600 V         sutation       600 V         sutation       600 V         sutation       7 maximum         sutation       7 maximum         sutation       600 V         sutation       <	let-through current / with closed switch	
• at 600 V/ for combination switch + gG fuse / maxmum permissible     5 KA          Main circuit       operating power       et al AC-23 A / at 400 V / rated value <ul> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-23 A / at 400 V / rated value</li> <li>bt AC-23 A / at 400 V / rated value</li> <li>bt AC-23 A / at 400 V / rated value</li> <li>bt AC-23 / at 400 V / rated value</li> <li>bt AC-23 / at 400 V / rated value</li> <li>bt AC-23 / at 400 V / rated value</li> <li>bt AC-3 / at 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rat 400 V / rated value</li> <li>bt AC-3 / rated value</li> <li>bt AC-3 / rated value</li> <li>continuda / for auxiliary contacts</li> <li>contacts</li> <li>contacts<!--</td--><td></td><td>4.5 kA</td></li></ul>		4.5 kA
maintain permissible         Mine Circuit         • al AC-23 A / at 40 V / rated value       5 kW         • al AC-23 A / at 40 V / rated value       12 kW         • al AC-23 A / at 40 V / rated value       15 kW         • al AC-23 A / at 40 V / rated value       15 kW         • al AC-33 / at 680 V / rated value       5 kW         • at AC-3 / at 680 V / rated value       5 kW         • at AC-3 / at 680 V / rated value       5 kW         • at AC-3 / rated value       9 kW         • at AC-3 / rated value		
Main circuit       operating power       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-23 A / at 40 V / rated value       • at AC-33 / at 400 V / rated value       • at AC-33 / 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 400 V / rated value       • at AC-3 / at 400 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / at 500 V / rated value       • at AC-3 / rated va		5 kA
operating power <ul> <li>at AC-23 A / at 240 V / rated value</li> <li>at AC-23 A / at 440 V / rated value</li> <li>bt AC-23 A / at 440 V / rated value</li> <li>bt AC-23 A / at 440 V / rated value</li> <li>bt AC-23 A / at 440 V / rated value</li> <li>bt AC-23 A / at 440 V / rated value</li> <li>bt AC-23 A / at 440 V / rated value</li> <li>bt AC-23 A / at 440 V / rated value</li> <li>bt AC-23 / at 240 V / rated value</li> <li>bt AC-3 / at 260 V / rated value</li> <li>ct AC-3 / at 260 V / rated value</li> <li>ct AC-3 / at 260 V / rated value</li> <li>ct AC-3 / at 260 V / rated value</li> <li>ct AC-3 / at 260 V / rated value</li> <li>ct AC-3 / at 260 V / rated value</li> <li>ct AC-3 / at 260 V / rated value</li> <li>constitution contexts / for auxiliary contacts</li> <li>number of ICO contacts / for auxiliary contact / rated value</li> <li>500 V</li> <li>continuous control / of the auxiliary contact / rated value</li> <li>500 V</li> <li>continuous control / of the auxiliary contact / rated value</li> <li>suitability for use</li> <li>exafety switch</li> <li>Yes</li> <li>exafety switch</li> <li>Yes</li> <li>exafety switch</li> <li>Yes</li> <li>exafety switch</li> <li>Yes</li> <li>canter bioted into OFF position</li> <li>Yes</li> <li>cante bioted into O</li></ul>	· · ·	
• at AC-23 A / at 400 V / rated value         12 kW           • at AC-23 A / at 400 V / rated value         15 kW           • at AC-3 / at 240 V / rated value         5.5 kW           • at AC-3 / at 400 V / rated value         5.5 kW           • at AC-3 / at 400 V / rated value         9.5 kW           • at AC-3 / at 400 V / rated value         9.5 kW           • at AC-3 / at 600 V / rated value         9.5 kW           • at AC-3 / at 600 V / rated value         9.5 kW           • at AC-3 / at 600 V / rated value         9.5 kW           • at AC-3 / at 600 V / rated value         32 A           Auxitary circuit         • auxiliary contacts         0           • number of NC contacts / for auxiliary contacts         1         1           • operating voltage / of auxiliary contacts         1 A         A           • operating voltage / of the auxiliary contacts         1 A         A           • operating voltage / of the auxiliary contacts / at A / maximu         500 V         Sout V           Suitability         Sout V         Yes         Sout V           • suitability for use         • switch disconnector         Yes           • auxitannocherpair switch         Yes         Sout V           • can be locked into OFF position         Yes         Sout A		
• et AC-23 / at 240 V / rated value         12 kW           • et AC-3 / at 240 V / rated value         5.5 kW           • et AC-3 / at 400 V / rated value         9.5 kW           • et AC-3 / at 690 V / rated value         9.5 kW           • et AC-3 / at 690 V / rated value         9.5 kW           • operational ourrent / rated value         9.5 kW           • operating voltage / of auxiliary contacts         0           • number of NC contacts / for auxiliary contacts         1           • operating voltage / of auxiliary contacts         1           • operating voltage / of the auxiliary contacts / traced value         500 V           continuous current / of the auxiliary contacts / traced value         500 V           suitability         500 V           suitability         500 V           suitability         500 V           • with disconnector         Yes           • enain switch         Yes           • enain switch         Yes           • analt solutality element         Yes           • enainence/repair switch         Yes           • analt blocked into OFF position         Yes           • analt blocked into OFF position         Yes           • analt blocked into OFF position         Yes           • analt blocked into OFF positicon	<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	12 kW
et AC-3 / at 240 V / rated value             et AC-3 / at 400 V / rated value             et AC-3 / at 400 V / rated value             et AC-3 / at 400 V / rated value             9.5 KW             operational current / rated value             32 A                 variable of Co contacts / for auxiliary contacts               0                 number of NC contacts / for auxiliary contacts               1                 operating voltage / of auxiliary contacts               1                 operating voltage / of the auxiliary contacts / rated value               00 V                 continuous current / of the auxiliary contacts / rated value               00 V                 continuous current / of the auxiliary contacts / rated value               00 V                 continuous current / of the auxiliary contacts / rated value               00 V                 valuability               valuability               valuability                 suitability               suitability               value                 suitability               value               value                 suitability               valuability	<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	11.5 kW
	<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	12 kW
• at AC-3 / at 600 V / rated value         9.5 kW           operational current / rated value         32 A           AvxIllary circuit         0           number of NC contacts / for auxillary contacts         0           number of NC contacts / for auxillary contacts         1           operating voltage / of auxillary contacts         1           continuous current / of the auxillary contact / rated value         500 V           continuous current / of the auxillary contact / rated value         500 V           suitability         500 V           suitability for use         •           • nain switch         Yes           • switch disconnector         Yes           • suitability for use         •           • safety switch         Yes           • safety switch         Yes           • anain switch         Yes           • anaintenance/repair switch         Yes           Appearance         color / of the actuating element           Product detains <td><ul> <li>at AC-3 / at 240 V / rated value</li> </ul></td> <td>5.5 kW</td>	<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	5.5 kW
operational current / rated value         32 A           Auxiliary circuit	• at AC-3 / at 400 V / rated value	10 kW
Auxiliary circuit         0           number of CO contacts / for auxiliary contacts         0           number of NO contacts / for auxiliary contacts         1           operating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contact / rated value         10 A           insulation voltage / of the auxiliary switch / rated value         500 V           Suitability         500 V           suitability for use         10 A           • main switch         Yes           • switch disconnector         Yes           • switch disconnector         Yes           • main switch         Yes           • asity switch         Yes           • maintenance/repair switch         Yes           • and be locked into OFF position         Yes           roduct feature         Yes           • can be locked into OFF position         Yes           number of bracket locks / maximum         2           number of vice kores / minimum         4 mm           hasp thicknes / of the bracket locks / maximum         6 mm           special product feature         Can be locked in or optional           product stension / optional         6 mod           • otalge trigger         No	• at AC-3 / at 690 V / rated value	9.5 kW
number of CO contacts / for auxiliary contacts         0           number of NC contacts / for auxiliary contacts         1           operating voltage / of auxiliary contacts         1           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 contact / rated value         500 V           suitability         500 V           solarity switch         Yes           - safety switch         Yes           - anabe locked into OFF position         red           product feature         red           product feature         Can be locked into OFF position           - as be locked into OFF position         Yes           - mamber of tr	operational current / rated value	32 A
number of NC contacts / for auxiliary contacts     1       number of NC contacts / for auxiliary contacts     1       operating voltage / of auxiliary contact A C / maximum     500 V       continuous current / of the auxiliary contact / rated value     10 A       Suitability     500 V       suitability     500 V <t< td=""><td>Auxiliary circuit</td><td></td></t<>	Auxiliary circuit	
number of NC contacts / for auxiliary contacts     1       number of NC contacts / for auxiliary contacts     1       operating voltage / of auxiliary contact A C / maximum     500 V       continuous current / of the auxiliary contact / rated value     10 A       Suitability     500 V       suitability     500 V <t< td=""><td></td><td>0</td></t<>		0
number of NO contacts / for auxiliary contacts         1           operating voltage / of auxiliary contacts / at AC / maximum         500 V           continuous current / of the auxiliary contacts / rated value         10 A           insulation voltage / of the auxiliary contact / rated value         500 V           Suitability         500 V           suitability for use         10 A           • main switch         Yes           • switch disconnector         Yes           • switch disconnector         Yes           • afety switch         Yes           • afety switch         Yes           • and registry switch         Yes           • color / of the actuating element         red           Product details         red           product feature         2           • can be locked into OFF position         Yes           • number of bracket locks / maximum         4 mm           hasp thickness / of the bracket locks / minimum         4 mm           hasp thickness / of the bracket locks / maximum         6 mm           special product feature         Can be locked in zero position           product distret         No           Short circuit         Conditional short-circuit current / with line-side fuse           conditional short-circuit t		1
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         7		1
continuous current / of the auxiliary contact / rated value     10 A       insulation voltage / of the auxiliary switch / rated value     500 V       Suitability     suitability       suitability for use     • main switch       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes       • maintenance/repair switch     Yes       color / of the actuating element     red       Product details     red       product feature     2       • number of bracket locks / maximum     2       hasp thickness / of the bracket locks / maximum     6 mm       special product feature     Can be locked in zero position       product extension / optional     No       • motor drive     No       • voltage trigger     No       Stort circuit     Conditional short-circuit current / with line-side fuse protection       • at 440 V/ by gG fuse / rated value     10 kA       • at 690 V / by gG fuse / rated value     6 kA       according UL     32 A       operating voltage / 1 AC / at 600 Hz / according to UL     500 V       S98/UL 60947-4-1 / rated value     600 V       solut data value     600 V       solut data value     600 V       solut data value </td <td></td> <td>500 V</td>		500 V
Insulation voltage / of the auxiliary switch / rated value     500 V       Suitability     switch disconnector     Yes       • main switch     Yes     Yes       • Switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • main featureance/repair switch     Yes       • can be locked into OFF position     Yes       product details     Yes       • can be locked into OFF position     Yes       • can be locked into OFF position     Yes       number of bracket locks / maximum     2       hasp thickness / of the bracket locks / maximum     6 mm       special product feature     Can be locked in zero position       product details     Ves       special product feature     Can be locked in zero position       product feature     Can be locked in zero position       product feature     No       voltage trigger     No       Short circuit     No       conditional short-circuit current / with line-side fuse       protecting     10 kA       e at 690 V / by gG fuse / rated value     6 kA       according UL     600 V       operation (Lorent / a KC / a ccording to UL     504/L       600 V     32 A       600 V     20		
Suitability         suitability for use         • main switch       Yes         • switch disconnector       Yes         • safety switch       Yes         • asdety switch       Yes         • maintenance/repair switch       Yes         color / of the actuating element       red         Product details       red         product feature       -         • 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         special product feature       Can be locked in zero position         product extension / optional       No         • ontidge trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 440 V / by gG fuse / rated value       6 kA         according UL       32 A         operation alcurrent / at AC / according to UL       32 A         600 V       SoBUL 6947-41 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL       50/UL         508/UL 60947-41 / rated		
suitability for use     Yes       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • maintenance/repair switch     Yes       • color / of the actuating element     red       Product details        product detature     •       • can be locked into OFF position     Yes       number of bracket locks / maximum     4 mm       hasp thickness / of the bracket locks / minimum     4 mm       hasp thickness / of the bracket locks / minimum     6 mm       special product feature     Can be locked in zero position       • rodor drive     No       • voltage trigger     No       Short circuit     10 kA       conditional short-circuit current / with line-side fuse protection     10 kA       • at 440 V / by gG fuse / rated value     6 kA       according UL     32 A       operational current / at AC / according to UL     32 A       600 V     508/UL 60947-4-1 / rated value       operational current / at AC / at 400 V / according to UL     20 <td></td> <td></td>		
<ul> <li>switch disconnector</li> <li>Yes</li> <li>EMERGENCY OFF switch</li> <li>safety switch</li> <li>realitenance/repair switch</li> <li>Yes</li> <li>maintenance/repair switch</li> <li>Yes</li> <li>active power [hp] / at AC / at 600 Hz / according to UL</li> <li>20</li> <li>20</li> </ul>		Vec
EMERGENCY OFF switch Yes     safety switch Yes     maintenance/repair switch Yes     maintenance/repair switch Yes     maintenance/repair switch Yes     Appearance     color / of the actuating element red     Product details     product feature         • can be locked into OFF position Yes     number of bracket locks / maximum 2         hasp thickness / of the bracket locks / maximum 6 mm         special product feature         • can be locked into VF position Yes         number of bracket locks / maximum 6 mm         special product feature         Can be locked in zero position     product extension / optional         • motor drive No         voltage trigger No     Short circuit     conditional short-circuit current / with line-side fuse     protection         • at 440 V / by gG fuse / rated value         6 kA     according UL     operational current / at AC / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 450 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 400 V / according to UL         20		
• safety switch         Yes           • maintenance/repair switch         Yes           Appearance         color / of the actuating element         red           Product defails         product feature         • 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         special product feature         Can be locked in zero position           product extension / optional         • motor drive         No         • voltage trigger         No           Short circuit         Conditional short-circuit current / with line-side fuse protection         10 kA         • at 690 V / by gG fuse / rated value         6 kA           according UL         operational current / at AC / according to UL 508/UL 60947-4-1 / rated value         600 V         32 A           obs/UL 60947-4-1 / rated value         600 V         20         20		
maintenance/repair switch Yes  Appearance  color / of the actuating element red  Product details  product feature      ocan be locked into OFF position     Yes      number of bracket locks / maximum     2     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     fasp thickness / of the bracket locks / maximum     fasp thickness / of the bracket locks / maximum     fasp thickness / of the bracket locks / maximum     hasp thickness / of the bracket locks / maximum     for the bracket locks / maxi		
Appearance         color / of the actuating element       red         Product details         product feature         • can be locked into OFF position         1number of bracket locks / maximum         1asp thickness / of the bracket locks / minimum         4 mm         hasp thickness / of the bracket locks / maximum         6 mm         special product feature         product extension / optional         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse         protection         • at 440 V / by gG fuse / rated value         • at 680 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • 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 800 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         20	-	
color / of the actuating element       red         Product details	maintenance/repair switch	Yes
Product details         product feature         • 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         special product feature         product details         order drive         • motor drive         • voltage trigger         Short circuit         conditional short-circuit current / with line-side fuse         operational short-circuit current / with line-side fuse         operational current / at AC / according to UL 508/UL         032 A         operational current / at AC / according to UL 508/UL         040 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 600 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         20	Appearance	
product feature     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       special product feature     Can be locked in zero position       product extension / optional     • motor drive       • woltage trigger     No       Short circuit     • canded value       conditional short-circuit current / with line-side fuse protection     • at 440 V / by gG fuse / rated value       • at 440 V / by gG fuse / rated value     10 kA       • at 490 V / by gG fuse / rated value     6 kA       according UL     32 A       operational current / at AC / according to UL 508/UL     600 V       soB/UL 60947-4-1 / rated value     600 V       active power [hp] / at AC / at 800 V / according to UL     20	color / of the actuating element	red
• 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         special product feature       Can be locked in zero position         product extension / optional       • motor drive         • voltage trigger       No         Short circuit       • notor drive         • onditional short-circuit current / with line-side fuse protection       • at 440 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value       6 kA         according UL       0perational current / at AC / according to UL 508/UL         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       20	Product details	
number of bracket locks / maximum       2         hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       6 mm         special product feature       Can be locked in zero position         product extension / optional       • motor drive         • motor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       operational current / at AC / according to UL 508/UL       32 A         operational current / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 80 V / according to UL       20	product feature	
hasp thickness / of the bracket locks / minimum       4 mm         hasp thickness / of the bracket locks / maximum       6 mm         special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       Conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       32 A         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         soBvUL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20	<ul> <li>can be locked into OFF position</li> </ul>	Yes
hasp thickness / of the bracket locks / maximum       6 mm         special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       32 A         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       20         508/UL 60947-4-1 / rated value       20	number of bracket locks / maximum	2
hasp thickness / of the bracket locks / maximum       6 mm         special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       32 A         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       20         508/UL 60947-4-1 / rated value       20		4 mm
special product feature       Can be locked in zero position         product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       32 A         operational current / at AC / according to UL 508/UL       32 A         600 V       508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 50/60 Hz / according to UL       20         solut 60947-4-1 / rated value       20		
product extension / optional       No         • motor drive       No         • voltage trigger       No         Short circuit       No         conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       32 A         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         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       20         so8/UL 60947-4-1 / rated value       20		
motor drive     voltage trigger     No     voltage trigger     No     Short circuit      conditional short-circuit current / with line-side fuse     protection         • at 440 V / by gG fuse / rated value         10 kA         • at 690 V / by gG fuse / rated value         6 kA      according UL      operational current / at AC / according to UL 508/UL     60947-4-1 / rated value     operating voltage / at AC / at 50/60 Hz / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 480 V / according to UL     508/UL 60947-4-1 / rated value     active power [hp] / at AC / at 600 V / according to UL     20		
voltage trigger     No     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 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         • bkA         • according UL         operational current / at AC / according to UL 508/UL         60947-4-1 / rated value         operating voltage / at AC / at 50/60 Hz / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL         508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL         20		No
Short circuit         conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       0 perational current / at AC / according to UL 508/UL         00947-4-1 / rated value       32 A         00947-4-1 / rated value       600 V         00947-4-1 / rated value       600 V         20       508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20		
conditional short-circuit current / with line-side fuse protection       10 kA         • at 440 V / by gG fuse / rated value       10 kA         • at 690 V / by gG fuse / rated value       6 kA         according UL       6 kA         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20		
protection <ul> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>6 kA</li> </ul> <ul> <li>at 690 V / by gG fuse / rated value</li> <li>6 kA</li> </ul> <ul> <li>operational current / at AC / according to UL 508/UL</li></ul>		
<ul> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>6 kA</li> <li>according UL</li> <li>operational current / at AC / according to UL 508/UL 60947-4-1 / rated value</li> <li>operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value</li> <li>active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value</li> <li>active power [hp] / at AC / at 600 V / according to UL 20</li> <li>active power [hp] / at AC / at 600 V / according to UL</li> <li>20</li> </ul>		
		10 kA
according UL         operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL       20         active power [hp] / at AC / at 600 V / according to UL       20		
operational current / at AC / according to UL 508/UL       32 A         60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       600 V         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20	, .	
60947-4-1 / rated value       600 V         operating voltage / at AC / at 50/60 Hz / according to UL       600 V         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL       20         active power [hp] / at AC / at 600 V / according to UL       20		32 A
508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 480 V / according to UL       20         508/UL 60947-4-1 / rated value       20         active power [hp] / at AC / at 600 V / according to UL       20	60947-4-1 / rated value	
508/UL 60947-4-1 / rated value         active power [hp] / at AC / at 600 V / according to UL       20		600 V
		20
		20

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	50 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	4
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross	
section / solid	
maximum	6
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (2.5 to 16 mm <sup>2</sup> )
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (2.516 mm²)
stranded	1x (2.5 to 16 mm <sup>2</sup> )
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 mm²), 1x 2.5 mm²
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
Requirements	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 40 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
Mechanical Design	
height	60 mm
width	47 mm
depth	114 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	No
<ul> <li>front mounting with central attachment</li> </ul>	Yes
rail mounting	No
net weight	200 g
Environmental conditions	200 y
ambient temperature / during operation	25.90
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
General Product Approval	Declaration of Conformity
Confirmation	EAL AR CE
CCC UL	EG-Konf.

other

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3250-1TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3250-1TK13

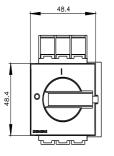
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3250-1TK13

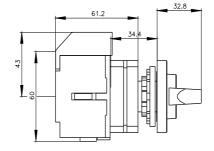
CAx-Online-Generator

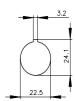
http://www.siemens.com/cax

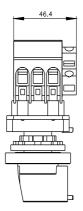
**Tender specifications** 

http://www.siemens.com/specifications









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