## SIEMENS

## Data sheet

## 3LD3130-0TL11



Load disconnector 3LD3, lu 25 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 9.0kW Installation in distribution boards, Basic switch with selector knob black

product brand name         SENTRON           product designation         3LD Switch disconnector           design of the product         Main switch           display version / for switch position indicator manual operation         10N - 0 OFF           type of switch         DIN-rail mounting           design of the actuating element         black           number of poles         4           number of poles / note         4           number of poles / note         4           number of poles / note         50 17h           degree of pollution         3           Voltage         fisulation voltage / rated value           operating frequency / maximum         60 V           operating frequency / rated value         60 V     <	Model			
design of the product     Main switch       display version / for switch position indicator manual operation     1 ON - 0 OFF       type of switch     DIN-rail mounting       design of the actuating element     selector switch       color / of the actuating element     black       design of handle     knob-operated mechanism, black       type of the driving mechanism / motor drive     No       Ceneral technical data     number of poles       number of poles / note     4       number of poles / note     4       number of poles / note     4       electrical endurance (switching cycles) / typical     100 000       electrical endurance (switching cycles)     6 000       operating frequency / maximum     50 1/h       degree of pollution     3       Voltage     6 800 V       surge voltage resistance / rated value     6 800 V       operating trougency / rated value     6 kV       operating voltage     6 90 V       e at AC / rated value     690 V       operating voltage     50 Hz       e maximum     50 Hz       protection class IP     IP40       protection class IP / on the front     IP40       Dissipation     1.1 W       Dissipation     25 A       operationg value     25 A       e	product brand name	SENTRON		
display version / for switch position indicator manual operation       1 ON - 0 OFF         type of switch       DIN-rail mounting         design of the actuating element       black         design of handle       knot-operated mechanism, black         type of switch       No         operation       No         General technical data       number of poles / note         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       680 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         operating frequency / rated value       60 Hz         operating trequency / rated value       60 Hz         operating state / per pole       IP40         ptotection class IP / on the front       IP40         ptospation       1.1 W         opera	product designation	3LD Switch disconnector		
operation         DIN-rail mounting           design of the actuating element         black           color / of the actuating element         black           isgin of handle         knob-operated mechanism, black           type of the driving mechanism / motor drive         No           General technical data	design of the product	Main switch		
design of the actuating element     black       color / of the actuating element     black       design of handle     knob-operated mechanism, black       type of the driving mechanism / motor drive     No       General technical data     number of poles       number of poles / note     4       number of poles / note     4       nechanical service life (switching cycles) / typical     100 000       electrical endurance (switching cycles) / typical     6000       operating frequency / maximum     50 1/h       degree of pollution     3       Voltage        insulation voltage / rated value     680 V       operating frequency / maximum     60 V       surge voltage resistance / rated value     680 V       operating frequency / rated value     690 V       operating frequency / rated value     100 1Hz       operating frequency / rated value     100 1Hz       operating frequency / rated value     690 V       operating frequency / rated value     60 Hz       Protection class IP     100 the front       protection class IP / on the front     IP40       porertional current / rated value		1 ON - 0 OFF		
color / of the actuating element     black       design of handle     knob-operated mechanism, black       type of the driving mechanism / motor drive     No       General technical data     Inumber of poles / note       number of poles / note     4       number of poles / note     4       nechanical service life (switching cycles) / typical     100 000       electrical endurance (switching cycles)     6 000       operating frequency / maximum     50 1/h       degree of pollution     3       Voltage     insulation voltage / rated value       insulation voltage / rated value     690 V       surge voltage resistance / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     690 V       operating rotical sa     690 V       operating rotical sa     690 V       operating frequency / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     11       operating frequency / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     11       operating frequency / rated value     11       operational current / ated value	type of switch	DIN-rail mounting		
design of handle       knob-operated mechanism, black         type of the driving mechanism / motor drive       No         General technical data	design of the actuating element	selector switch		
type of the driving mechanism / motor drive         No           General technical data         number of poles         4           number of poles / note         4           mechanical service life (switching cycles) / typical         100 000           electrical endurance (switching cycles) / typical         100 000           electrical endurance (switching cycles)         6 000           operating frequency / maximum         50 1/h           degree of pollution         3           Voitage         690 V           insulation voltage / rated value         690 V           operating frequency / maximum         60 1/h           degree of pollution         3           Voitage         insulation voltage / rated value           operating voltage resistance / rated value         690 V           operating frequency / rated value         60 Hz           Protection class IP         IP40           protection class IP / on the front         IP40           protection class IP / on the front         IP40	color / of the actuating element	black		
General technical data         number of poles       4         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       60 01/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating voltage       64V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       70 Hz         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       1.1 W         operational current / rated value	design of handle	knob-operated mechanism, black		
number of poles     4       number of poles / note     4       mechanical service life (switching cycles) / typical     100 000       electrical endurance (switching cycles)     6 000       operating frequency / maximum     60 1/h       degree of pollution     3       Voltage     6 8V       insulation voltage / rated value     690 V       surge voltage resistance / rated value     690 V       operating network     6 8V       operating requency / rated value     690 V       operating voltage     6 8V       • at AC / rated value     690 V       operating frequency / rated value     690 V       operating requency / rated value     690 V       operating frequency / rated value     70 Hz       • maximum     60 Hz       Protection class IP     IP40       protection class IP / on the front     IP40       Dissipation     1.1 W       Operational current / rated value     25 A       operational current     25 A       operational current     25 A       operational current     25	type of the driving mechanism / motor drive	No		
number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6         • at AC-23 A / at 690 V       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       64V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       IP40         protection class IP / on the front       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         operational current • at 40 °C / rated value       25 A         operational current • at 40 °C / rated value       25 A         operational current       25 A	General technical data			
mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating trequency / rated value       690 V         operating frequency / rated value       690 V         operating trequency / rated value       50 Hz         • maximum       50 Hz         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A         operational current / rated value	number of poles	4		
electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating voltage       64V         • at AC / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       64V         • at AC / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       50 Hz         • maximum       50 Hz         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A         operational current       25 A         operational current       25 A         operational current       25 A         operational current	number of poles / note	4		
• at AC-23 A / at 690 V       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating trace value       70 Hz         operating trace value       12         Protection class IP       IP40         Dissipation       IP40         Dissipation       1.1 W         current       25 A         operational current / rated value       25 A         operational current / rated value       25 A         • at 40 °C / rated value       25 A         • at 40 °C / rated value       25 A	mechanical service life (switching cycles) / typical	100 000		
operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         690 V           insulation voltage / rated value         690 V           surge voltage resistance / rated value         690 V           operating voltage         690 V           • at AC / rated value         690 V           operating frequency / rated value         60 Hz           Protection class         IP40           protection class IP         IP40           protection class IP / on the front         IP40           Dissipation         IP40           power loss [W] / for rated value of the current / at AC / in hot operating state / per pole         1.1 W           operational current / rated value         25 A           operational current         25 A           operational current         25 A           • at 40 °C / rated value         25 A <td>electrical endurance (switching cycles)</td> <td></td>	electrical endurance (switching cycles)			
degree of pollution       3         Voltage       insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       680 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP / on the front       IP40         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current       25 A         • at 40 °C / rated value       25 A	• at AC-23 A / at 690 V	6 000		
Voltage         insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP / on the front       IP40         Dissipation       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operating later / per delage       25 A         operational current       25 A         • at 40 °C / rated value       25 A	operating frequency / maximum	50 1/h		
insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       1040         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         operational current       25 A         • at 40 °C / rated value       25 A         • at 45 °C / rated value       25 A	degree of pollution	3		
surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       60 Hz         • minimum       50 Hz         • maximum       60 Hz         Protection class       IP40         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         operational current       25 A         operational current       25 A         • at 40 °C / rated value       25 A	Voltage			
operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       50 Hz         ominimum       50 Hz         omaximum       60 Hz         Protection class       10 Hz         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         operational current / rated value       25 A         operational current       at 40 °C / rated value         • at 45 °C / rated value       25 A	insulation voltage / rated value	690 V		
• at AC / rated value       690 V         operating frequency / rated value       50 Hz         • minimum       60 Hz         • maximum       60 Hz         Protection class       1P40         protection class IP / on the front       IP40         Dissipation       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current / rated value       25 A         operational current       44 0 °C / rated value         • at 45 °C / rated value       25 A	surge voltage resistance / rated value	6 kV		
operating frequency / rated value       50 Hz         • maximum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP       IP40         protection class IP / on the front       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       25 A         operational current / rated value       25 A         operational current       25 A         operational current       25 A         operational current       25 A	operating voltage			
• minimum50 Hz• maximum60 HzProtection classIP40protection class IPIP40protection class IP / on the frontIP40DissipationIP40power loss [W] / for rated value of the current / at AC / in hot operating state / per pole1.1 WOperational current / rated value25 Aoperational current25 A• at 40 °C / rated value25 A• at 45 °C / rated value25 A	<ul> <li>at AC / rated value</li> </ul>	690 V		
• maximum60 HzProtection classIP40protection class IPIP40protection class IP / on the frontIP40DissipationIP40power loss [W] / for rated value of the current / at AC / in hot operating state / per pole1.1 WCurrent25 Aoperational current25 A• at 40 °C / rated value25 A• at 45 °C / rated value25 A	operating frequency / rated value			
Protection class       IP40         protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       0perational current / rated value       25 A         operational current       25 A         • at 40 °C / rated value       25 A         • at 45 °C / rated value       25 A	• minimum	50 Hz		
protection class IP       IP40         protection class IP / on the front       IP40         Dissipation       IP40         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       25 A         operational current / rated value       25 A         operational current       25 A         • at 40 °C / rated value       25 A         • at 45 °C / rated value       25 A	• maximum	60 Hz		
protection class IP / on the front       IP40         Dissipation	Protection class			
Dissipation         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       operational current / rated value       25 A         operational current       at 40 °C / rated value       25 A         • at 40 °C / rated value       25 A         • at 45 °C / rated value       25 A	protection class IP	IP40		
power loss [W] / for rated value of the current / at AC / in       1.1 W         hot operating state / per pole       1.1 W         Current       25 A         operational current / rated value       25 A         operational current       25 A         • at 40 °C / rated value       25 A         • at 45 °C / rated value       25 A	protection class IP / on the front	IP40		
hot operating state / per pole       Current       operational current / rated value     25 A       operational current     25 A       • at 40 °C / rated value     25 A       • at 45 °C / rated value     25 A	Dissipation			
operational current / rated value25 Aoperational current		1.1 W		
operational current     25 A       • at 40 °C / rated value     25 A       • at 45 °C / rated value     25 A	Current			
<ul> <li>at 40 °C / rated value</li> <li>at 45 °C / rated value</li> <li>25 A</li> <li>25 A</li> </ul>	operational current / rated value	25 A		
• at 45 °C / rated value 25 A	operational current			
	<ul> <li>at 40 °C / rated value</li> </ul>	25 A		
• at 50 °C / rated value 25 A	• at 45 °C / rated value	25 A		
	• at 50 °C / rated value	25 A		

a at 55 °C / rated value	25 A
<ul> <li>at 55 °C / rated value</li> <li>at AC / rated value</li> </ul>	25 A 25 A
• at AC / rated value Main circuit	23 R
operational current	
at AC-21 / at 690 V / rated value	25 A
• at AC-21 A / at 240 V / rated value	25 A
• at AC-21 A / at 400 V / rated value	25 A
• at AC-21 A / at 440 V / rated value	25 A
• at AC-23 A / at 400 V / rated value	20 A
operating power	2017
• at AC-23 A / at 240 V / rated value	4 kW
• at AC-23 A / at 400 V / rated value	10 kW
• at AC-23 A / at 440 V / rated value	9 kW
<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	9 kW
<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	4 kW
<ul> <li>at AC-3 / at 400 V / rated value</li> </ul>	8 kW
<ul> <li>at AC-3 / at 690 V / rated value</li> </ul>	7.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
operating voltage / of auxiliary contacts / at AC / maximum	500 V
continuous current / of the auxiliary contact / rated value	10 A
insulation voltage / of the auxiliary switch / rated value	500 V
Suitability	
suitability for use	
main switch	Yes
<ul> <li>switch disconnector</li> </ul>	Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>	No
<ul> <li>safety switch</li> </ul>	Yes
maintenance/repair switch	Yes
Product details	
special product feature	Can be locked in zero position
product feature / can be locked into OFF position	Yes
accessories	
product extension / optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts / for auxiliary contacts / 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
number of bracket locks / maximum	2
hasp thickness / of the bracket locks	4 6 mm
Short circuit	
conditional short-circuit current / with line-side fuse protection	
<ul> <li>at 440 V / by gG fuse / rated value</li> </ul>	10 kA
• at 690 V / by gG fuse / rated value	6 kA
let-through current / with closed switch	
<ul> <li>at 240 V / for combination switch + gG fuse / maximum</li> </ul>	3.5 kA
<ul> <li>at 440 V / for combination switch + gG fuse /</li> </ul>	
maximum	3.5 kA
	3.5 kA 4 kA
<ul> <li>maximum</li> <li>at 690 V / for combination switch + gG fuse /</li> </ul>	

maximum       4 kA2.s         ediagn of the fuse link       fuse gLigC: 25 A         in or short-circuit protection of the main circuit / required       fuse gLigC: 25 A         in or short-circuit protection of the auxiliary switch / required       25 A         operational current / rd upstream fuse / rated value       25 A         operational current / rd upstream fuse / rated value       25 A         operational current / rd A2 raccording to UL       600 V         obs011. 60/27 A / rated value       600 V         operational current / rd A2 raccording to UL       600 V         obs011. 60/27 A / rated value       600 V         operating values / at A2 / raccording to UL       600 V         obs011. 60/27 A / raced value       600 V         operating values / racecording to UL       700 A         operating values / racecord ing to UL       700 A <th>• at 440 V / for combination switch + gG fuse /</th> <th>4 kA2.s</th> <th></th>	• at 440 V / for combination switch + gG fuse /	4 kA2.s			
maximum         issue           4 design of the fixe link:         fuse gL/gG: 25 A           • for short-circuit protection of the auxiliary switch / required         fuse gL/gG: 25 A           • for short-circuit protection of the auxiliary switch / required         25 A           • dor short-circuit protection of the auxiliary switch / required         25 A           • dors short-circuit protection of the auxiliary switch / required         25 A           • dors short-circuit protection of the auxiliary switch / required         25 A           • dors short-circuit protection of the auxiliary switch / required         25 A           • dors short-circuit protection of the auxiliary switch / required         25 A           • dors short-circuit protection of the auxiliary switch / required         25 A           • dors short-circuit protection of the auxiliary switch / required         26 A           • dors short-circuit protection of the auxiliary switch / required         26 A           • dors short-circuit protection of the auxiliary switch / required         26 A           • dors short-circuit protection of the auxiliary switch / required         26 A           • dors short-circuit protection of the auxiliary switch / required         10           • dors short-circuit protection of the auxiliary switch / required         5 A           • dors short-circuit protection of the auxiliary switch / required         5 A					
• for short-circuit protection of the main circuit/ required     fuse gUrg6: 25 A       • for short-circuit protection of the auxiliary switch / required     fuse gUrg6: 10 A       • gerational current / of upstream tuse / rated value     25 A       • coording UL     25 A       • operational current / of upstream tuse / rated value     25 A       • operation during / alx O/ according to UL     600 V       • operating values / alx O/ according to UL     600 V       • operating values / alx O/ according to UL     600 V       • operating values / alx O/ according to UL     600 V       • operating values / alx O/ according to UL     5 A       • operating values / alx O/ according to UL     10       • operating values / alx O/ according to UL     5 A       • operating values / alx O/ according to UL     5 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A       • operating values / according to UL     70 A		4 kA2.s			
regured       for shrb-circuit protection of the auxiliary switch / required       tisse gL/gG: 10 A         operational current / of upstream fuse / rated value       25 A         operational current / at AC / according to UL 508/UL       25 A         operational current / at AC / according to UL 508/UL       25 A         operational current / at AC / according to UL 508/UL       26 A         obstut. 508/r - 1 / rated value       600 V         operating voltage / at AC / according to UL       10         attive power [hp] / at AC / at 600 V / according to UL       15         obstut. 508/r - 1 / rated value       50 A         off tisse / according to UL       70         continuous current / of upstream fuse / according to UL / ac	design of the fuse link				
required         25 A           secording UL         25 A           operational current / at AC / according to UL         500 V           obsULP_6047-41 / tradet value         600 V           operational current / at AC / at 5000 Hz / according to UL         600 V           obsULP_6047-41 / tradet value         600 V           active power [hp] / at AC / at 480 V / according to UL         600 V           obsULP_6047-41 / tradet value         10           active power [hp] / at AC / at 480 V / according to UL         50 A           obsULP_6047-41 / tradet value         5 kA           continuous current / of upstream fuse / according to UL         50 A           operational current / so code connectable conductor cross-section / for copper conductor         6           extint         14           type of townectable conductor cross-sections / for copper conductor         14 (25 to 16 mm²)           extid         14 (25 to 16 mm²)           standed         14 (25 to 16 mm²)           type of connectable conductor cross-sections / for auxillary contacts <td></td> <td>fuse gL/gG: 25 A</td> <td></td>		fuse gL/gG: 25 A			
secording UL         25 A           operational current / at AC / according to UL 508/UL         25 A           obs/UL 803-r1 / rated value         600 V           active power [hp] / st AC / at 500 V / according to UL         600 V           active power [hp] / st AC / at 600 V / according to UL         500 V           active power [hp] / st AC / at 600 V / according to UL         500 V           active power [hp] / st AC / at 600 V / according to UL         500 A           astive power [hp] / st AC / at 600 V / according to UL         500 A           operations         5kA           continuous current / opstream fuse / according to UL / at 600 V / accord		fuse gL/gG: 10 A			
operational current / at AC / according to UL. 508/UL.         26 A           operating voltage / at AC / at S000 Hz / according to UL.         600 V           solter power (hp) / At AC / at 480 V / according to UL.         10           active power (hp) / at AC / at 480 V / according to UL.         15           Solvul. 609/Y-41 / rated volue         5 KA           confinuous current / of upsteam fuse / according to UL.         50 A           operating voltage / at AC / at 600 V / according to UL.         15           Solvul. 609/Y-41 / rated volue         5 KA           confinuous current / of upsteam fuse / according to UL.         70 A           rated value         50 A           type of fuse / according to UL.         RK5           Connectable conductor cross-sections / for cooper         50 A           examum         6           • maximum         6           • maximum         14           type of fuse / according to user and processing         1x (2.5 to 16 mm²)           • stranded         1x (2.5 to 16 mm²)           • solid         2x (0.75 2.5 mm²), 1x 4 mm²           • solid         2x (0.75 2.5 mm²), 1x 4 mm²           • solid         2x (0.75 2.5 mm²), 1x 4 mm²           • solid         2x (0.75 2.5 mm²), 1x 4 mm²           • solid	operational current / of upstream fuse / rated value	25 A			
bb947-4-1 / rated value     600 V       gorarding volues / at AC / at 5000 Hz / according to UL     600 V       S08UL 60947-4-1 / rated value     10       solue power hpl / at AC / at 480 V / according to UL     15       S08UL 60947-4-1 / rated value     15       short time withstand coment (SCCR) / at 600 V / according to UL     5 kA       continuous current / of upstream fuse / according to UL     5 kA       continuous current / of upstream fuse / according to UL     7 kS       Connectable     7 kS       AWG number / as coded connectable conductor cross sections / for copper conductor     6 k       • maximum     6 k       • maximum     6 k       • finely stranded / with core end processing     1x (2.5 to 16 mm²)       • stranded     1x (2.5 to 16 mm²)       • solid     1x (2.5 to 16 mm²)       • finely stranded / with core end processing     1x (2.5 to 16 mm²)       • finely stranded / with core end processing     1x (2.5 to 16 mm²)       • finely stranded     2x (0.75 2.5 mm²), 1x 4 mm²       • finely stranded     2x (0.75 2.5 mm²), 1x 4 mm²       • for axiliary contacts     box terminal       • for axiliary contacts     box terminal       • for axiliary contacts     box terminal       • for deciceal connection     for axiliary contacts       • for main current cincuit     bo	according UL				
505UL 60947-4-1 / rated value       10         Solve power phyl 7 AK / rated value       10         Solve power phyl 7 AK / rated value       15         Solve power phyl 7 AK / rated value       5 KA         io UL 508UL 60947-4-1 / rated value       5 KA         continuous current / of upstream fuse / according to UL       50 A         rated value       50 A         rated value       6         • maximum       6         • maximum       6         • maximum       6         • maximum       6         • finely standed / with core end processing       1x (2.5 to 16 mm²)         • standed       1x (2.5 to 16 mm²)         • finely standed / with core end processing       1x (2.5 to 16 mm²)         • finely standed / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • for auxiliary contacts       2x (0.75 2.5 mm²), 1x 4 mm²         • for auxiliary contacts       Box terminals         Mochanical Design       77 mm         • for auxiliary contacts       Box terminals         Method       97 mm         • for auxiliary contacts       Box terminals         Mochanical Design       No         • fort mounting       Ype of device         fastering met		25 A			
508/UL 60947-4-1 / rated value       15         softer power [m] / at K / at 600 V / according to UL       58 KA         soft-line withband current (SCCR) / at 600 V / according to UL / Contractions       5 KA         Continuous current / of upstream fuse / according to UL / RK5       50 A         Connectable       6         • maximum       6         • maximum       6         • maximum       14         • they standed / with core end processing       1x (2.5 to 16 mm²)         • solid       1x (2.5 to 16 mm²)         • finely standed / with core end processing       1x (2.5 to 16 mm²)         • solid       1x (2.5 to 16 mm²)         • finely standed / with core end processing       1x (2.5 to 16 mm²)         • solid       1x (2.5 to 16 mm²)         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • finely standed / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • finely standed       2x (0.75 2.5 mm²), 1x 4 mm²         • for auxiliary contacts       Box terminal         • for auxiliary co		600 V			
508/UL 60947-41 / rated value     5 kA       short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-41.     5 kA       continuous current / of upstream fuse / according to UL / rated value     50 A       Type of fuse / according to UL     70 A       AWG number / as coded connectable conductor cross section / solid     6       • maximum     6       • maximum     6       • maximum     14       Ype of concatable conductor cross-sections / for copper conductor     1x (2.5 to 16 mm²)       • solid     1x (2.5 to 16 mm²)       • finely stranded / with core end processing     1x (2.5 to 16 mm²)       • stranded     2x (0.75 2.5 mm²), 1x 4 mm²       • stranded     2x (0.75 2.5 mm²), 1x 4 mm²       • finely stranded / with core end processing     2x (0.75 2.5 mm²), 1x 4 mm²       • finely stranded / with core end processing     2x (0.75 2.5 mm²), 1x 4 mm²       • for auxiliary contacts     Box terminal       • for auxiliary contacts <td>active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value</td> <td>10</td> <td></td>	active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value	10			
to UL 508/UL 60947-4-1       50 A         continuous current / of upstream fuse / according to UL /       50 A         type of fuse / according to UL       RK5         Connections       6         • maximum       6         • maximum       14         type of connectable conductor cross-sections / for copper conductor       1x (2.5 to 16 mm <sup>2</sup> )         • solid       1x (2.5 to 16 mm <sup>2</sup> )         • finely stranded / with core end processing       1x (2.5 to 16 mm <sup>2</sup> )         • stranded       1x (2.5 to 16 mm <sup>2</sup> )         • stranded       1x (2.5 to 16 mm <sup>2</sup> )         • stranded       1x (2.5 to 16 mm <sup>2</sup> )         • finely stranded / with core end processing       2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • stranded       2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • finely stranded / with core end processing       2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • finely stranded / with core end processing       2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • for auxiliary contacts       Box terminal         • for auxiliary contacts       Box terminal         • for auxiliary contacts       Box terminals         Mechanical Design       Fixed mounting         height       77 mm         type of device       fixed mounting         fastening m		15	15		
rated value     RK5       Connactions     RK5       AWC number / as coded connectable conductor cross section / sold     6       • maximum     6       • minimum     14       Type of connectable conductor cross-sections / for copper     1x (2.5 to 16 mm²)       • stranded     2x (0.75 2.5 mm²), 1x 4 mm²       • stranded     2x (0.75 2.5 mm²), 1x 4 mm²       • for auxiliary contacts     Box terminal       • for auxiliary contacts     Box terminal       • for auxiliary contacts     Box terminals       Mechanical Design     60 mm       • width     49 mm       • dehole front mounting     No		5 kA			
Connections         AWG number / as coded connectable conductor cross section / solid         • maximum         • ininimum         Type of connectable conductor cross-sections / for copper conductor         • solid         • finely stranded / with core end processing         • stranded         type of connectable conductor cross-sections / for auxiliary contacts         • solid         • solid         • inely stranded / with core end processing         • solid         • finely stranded / with core end processing         • solid         • finely stranded         • solid         • for main current circuit         • for main current circuit         • for auxilary contacts         Mechanical Design         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Buil-in unit fixed-mounted version         fastening method       200 g         entowing       65 °C         ambient temperature / during operation       -25 °C         • maximum       55 °C		50 A			
AWG number / as coded connectable conductor cross section / solid       6         • maximum       14         type of connectable conductor cross-sections / for copper conductor       14         • solid       1x (2.5 to 16 mm²)         • solid of       1x (2.516 mm²)         • stranded       1x (2.516 mm²)         • stranded       1x (2.5 to 16 mm²)         • stranded       1x (2.5 to 16 mm²)         • solid       1x (2.516 mm²)         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • solid       2x (0.75 2.5 mm²), 1x 2.5 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • finely stranded / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • finely connectable conductor       2x (0.75 2.5 mm²), 1x 4 mm²         • finely contacts       Box terminal         • for auxiliary contacts       Box terminals         Mechanical Dosign       60 mm         height       49 mm         • fastening method       Built-In unit fixed-mounted version         • fastening method       -Alole front mounting         • frail mounting       Yes <tr< td=""><td>type of fuse / according to UL</td><td>RK5</td><td></td></tr<>	type of fuse / according to UL	RK5			
section / solid       6         • maximum       14         type of connectable conductor cross-sections / for copper conductor       14         • solid       1x (2.5 to 16 mm²)         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • finely stranded / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         type of electrical connection       5x terminal         • for auxiliary contacts       Box terminals         Mechanical Design       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Environmental environ         • fort mounting       No         • fort mounting       Yees         net weight       200 g         Env	Connections				
• minimum       14         type of connectable conductor cross-sections / for copper       intely stranded / with core end processing       1x (2.5 to 16 mm²)         • solid       1x (2.5 to 16 mm²)       ix (2.5 to 16 mm²)         • stranded       1x (2.5 to 16 mm²)       ix (2.5 to 16 mm²)         • type of connectable conductor cross-sections / for auxiliary contacts       ix (2.5 to 16 mm²)       ix (2.5 to 16 mm²)         • solid       2x (0.75 2.5 mm²), 1x 4 mm²       intely stranded / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²       is main current circuit       box terminal         • for auxiliary contacts       Box terminal       Box terminals         Mechanical Design       60 mm       ix 4 mm²         height       49 mm       fastening method       ix fastening method         • for thounting       No       ix 4 mo?       ix 4 mo?         • for thounting       No       ix 4 ma       ix 4 ma         • for thounting       Yes       ix 4 ma       ix 4 ma         • for thounting       Yes       ix 4 ma       ix 4 ma         • fastening method       ix 4 ma       ix 4 ma       ix 4 ma         • fastening method       ix 4 ma       ix 4 ma       ix 4 ma					
type of connectable conductor cross-sections / for copper conductor         • solid       1x (2.5 to 16 mm²)         • finely stranded / with core end processing       1x (2.516 mm²)         • stranded       1x (2.5 to 16 mm²)         type of connectable conductor cross-sections / for auxiliary contacts       2x (0.75 2.5 mm²), 1x 4 mm²         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • for auxiliary contacts       Box terminal         • for auxiliary contacts       Box terminals         Mechanical Design       60 mm         width       49 mm         depth       77 mm         Uype of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         if astening method       No         • frait mounting       Yes         entweight       200 g         Environmental conditions       55 °C         ambient temperature / during storage       65 °C         • maximum       55 °C	• maximum	6			
conductor       • solid       1x (2.5 to 16 mm³)         • finely stranded / with core end processing       1x (2.5 to 16 mm³)         • stranded       1x (2.5 to 16 mm²)         type of connectable conductor cross-sections / for auxiliary contacts       2x (0.75 2.5 mm²), 1x 4 mm²         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • finely stranded / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • for all current circuit       box terminal         • for main current circuit       box terminal         • for auxiliary contacts       Box terminals         Mechanical Design       40 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       60 mm         • 4-hole fornt mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       55 °C         ambient temperature / during storage       55 °C	• minimum	14			
<ul> <li>finely stranded / with core end processing</li> <li>stranded</li> <li>tx (2.516 mm²)</li> <li>type of connectable conductor cross-sections / for auxiliary contacts</li> <li>solid</li> <li>2x (0.75 2.5 mm²), 1x 4 mm²</li> <li>finely stranded / with core end processing</li> <li>2x (0.75 2.5 mm²), 1x 2.5 mm²</li> <li>stranded</li> <li>2x (0.75 2.5 mm²), 1x 4 mm²</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>box terminal</li> <li>for auxiliary contacts</li> <li>Box terminals</li> <li>Mechanical Design</li> <li>height</li> <li>depth</li> <li>77 mm</li> <li>type of device</li> <li>fixed mounting</li> <li>atsening method</li> <li>etroit mounting</li> <li>No</li> <li>front mounting with central attachment</li> <li>No</li> <li>i rail mounting</li> <li>i rail mounting<td></td><td></td><td></td></li></ul>					
• stranded       1x (2.5 to 16 mm²)         type of connectable conductor cross-sections / for auxiliary contacts       2x (0.75 2.5 mm²), 1x 4 mm²         • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • finely stranded / with core end processing       2x (0.75 2.5 mm²), 1x 2.5 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • finely stranded / with core end processing       2x (0.75 2.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         • for auxiliary contacts       Box terminal         Mechanical Design       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       Built-in unit fixed-mounted version         • front mounting with central attachment       No         • rail mounting       No         • rail mounting       20 0 g         Environmental conditions       55 °C         ambient temperature / during storage       -25 °C         • maximum       55 °C	• solid	1x (2.5 to 16 mm <sup>2</sup> )			
type of connectable conductor cross-sections / for auxiliary contacts       2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • solid       2x (0.75 15 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • finely stranded / with core end processing       2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> • type of electrical connection       box terminal         • for main current circuit       box terminal         • for auxiliary contacts       Box terminals         Mochanical Design       -         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       fixed mounting         • front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       55 °C         ambient temperature / during storage       -25 °C         • maximum       -25 °C		1x (2.516 mm²)			
auxiliary contacts          • solid       2x (0.75 2.5 mm²), 1x 4 mm²         • finely stranded / with core end processing       2x (0.75 1.5 mm²), 1x 4 mm²         • stranded       2x (0.75 2.5 mm²), 1x 4 mm²         type of electrical connection          • for main current circuit       box terminal         • for auxiliary contacts       Box terminals         Mechanical Design       60 mm         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       Yes         net weight       200 g         Environmental conditions       -25 °C         ambient temperature / during storage       -25 °C         • maximum       -25 °C         ambient temperature / during storage       -25 °C         • maximum       -25 °C		1x (2.5 to 16 mm <sup>2</sup> )			
<ul> <li>finely stranded / with core end processing</li> <li>stranded</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>box terminal</li> <li>box terminal</li> <li>box terminals</li> <li>Mechanical Design</li> <li>height</li> <li>60 mm</li> <li>width</li> <li>49 mm</li> <li>depth</li> <li>77 mm</li> <li>type of device</li> <li>fixed mounting</li> <li>etaning method</li> <li>etaning method</li> <li>front mounting with central attachment</li> <li>No</li> <li>rail mounting</li> <li>ret weight</li> <li>200 g</li> <li>Environmental conditions</li> <li>ambient temperature / during storage</li> <li>minimum</li> <li>-25 °C</li> <li>ambient temperature / during storage</li> <li>minimum</li> <li>-25 °C</li> <li>maximum</li> <li>55 °C</li> </ul>					
• stranded       2x (0.75 2.5 mm²), 1x 4 mm²         type of electrical connection       box terminal         • for main current circuit       box terminal         • for auxiliary contacts       Box terminals         Mechanical Design       60 mm         height       60 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       55 °C         ambient temperature / during storage       -25 °C         • minimum       -25 °C         • maximum       55 °C					
type of electrical connection <ul> <li>for main current circuit</li> <li>box terminal</li> <li>Box terminals</li> </ul> Mechanical Design         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       Itil in unit fixed-mounted version         e rail mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       ambient temperature / during operation         • minimum       -25 °C         ambient temperature / during storage       -         • minimum       -25 °C         • maximum       55 °C					
• for main current circuit       box terminal         • for auxiliary contacts       Box terminals         Mechanical Design       60 mm         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       No         • front mounting       No         • front mounting       No         • front mounting       Yes         net weight       200 g         Environmental conditions       -25 °C         ambient temperature / during operation       -25 °C         • minimum       -25 °C         • minimum       55 °C         ambient temperature / during storage       -25 °C         • minimum       55 °C		2x (0.75 2.5 mm²), 1x 4 m	im²		
• for auxiliary contacts       Box terminals         Mechanical Design       60 mm         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       -25 °C         ambient temperature / during operation       -25 °C         • maximum       55 °C         ambient temperature / during storage       -25 °C         • maximum       55 °C					
Mechanical Design         height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       ambient temperature / during operation         • minimum       -25 °C         • maximum       55 °C         ambient temperature / during storage       -25 °C         • maximum       55 °C					
height       60 mm         width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       -25 °C         ambient temperature / during operation       -25 °C         • maximum       55 °C         ambient temperature / during storage       -25 °C         • minimum       -25 °C         • maximum       55 °C	-	Box terminais			
width       49 mm         depth       77 mm         type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       -25 °C         ambient temperature / during storage       -25 °C         • minimum       -25 °C         ambient temperature / during storage       -25 °C         • maximum       55 °C					
depth77 mmtype of devicefixed mountingfastening methodBuilt-in unit fixed-mounted versionfastening methodNo• 4-hole front mountingNo• front mounting with central attachmentNo• rail mountingYesnet weight200 gEnvironmental conditionsambient temperature / during operation• minimum-25 °C• maximum55 °Cambient temperature / during storage• minimum-25 °C• maximum55 °C	5				
type of device       fixed mounting         fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       -25 °C         ambient temperature / during storage       -25 °C         • minimum       -25 °C         ambient temperature / during storage       -25 °C         • maximum       55 °C					
fastening method       Built-in unit fixed-mounted version         fastening method       No         • 4-hole front mounting       No         • front mounting with central attachment       No         • rail mounting       Yes         net weight       200 g         Environmental conditions       ambient temperature / during operation         • minimum       -25 °C         ambient temperature / during storage       -25 °C         • minimum       -25 °C         • maximum       55 °C         • maximum       55 °C	-				
fastening method     No       • 4-hole front mounting     No       • front mounting with central attachment     No       • rail mounting     Yes       net weight     200 g       Environmental conditions     ambient temperature / during operation       • minimum     -25 °C       • maximum     55 °C       ambient temperature / during storage     -25 °C       • minimum     55 °C       • minimum     55 °C		-			
• 4-hole front mountingNo• front mounting with central attachmentNo• rail mountingYesnet weight200 gEnvironmental conditionsambient temperature / during operation• minimum-25 °C• maximum55 °Cambient temperature / during storage• minimum-25 °C• maximum55 °C• maximum55 °C• maximum55 °C		Duit in drift fixed filodrifted v			
• front mounting with central attachmentNo• rail mountingYesnet weight200 gEnvironmental conditionsambient temperature / during operation• minimum-25 °C• maximum55 °Cambient temperature / during storage• minimum-25 °C• maximum55 °C	-	No			
• rail mountingYesnet weight200 gEnvironmental conditionsambient temperature / during operation• minimum-25 °C• maximum55 °Cambient temperature / during storage• minimum-25 °C• maximum55 °Cambient temperature / during storage• minimum-25 °C• maximum55 °C	-				
net weight     200 g       Environmental conditions       ambient temperature / during operation       • minimum       -25 °C       • maximum       55 °C       ambient temperature / during storage       • minimum       -25 °C       ambient temperature / during storage       • minimum       -25 °C       • maximum       55 °C	-				
Environmental conditions         ambient temperature / during operation         • minimum       -25 °C         • maximum       55 °C         ambient temperature / during storage         • minimum       -25 °C         • minimum       55 °C         ambient temperature / during storage         • minimum       -25 °C         • maximum       55 °C					
ambient temperature / during operation     -25 °C       • minimum     55 °C       ambient temperature / during storage     -25 °C       • minimum     -25 °C       • minimum     55 °C	-				
• minimum       -25 °C         • maximum       55 °C         ambient temperature / during storage       -25 °C         • minimum       -25 °C         • maximum       55 °C					
ambient temperature / during storage       • minimum       -25 °C       • maximum       55 °C		-25 °C			
• minimum         -25 °C           • maximum         55 °C	• maximum	55 °C			
• maximum 55 °C	ambient temperature / during storage				
	• minimum	-25 °C			
General Product Approval Declaration of Conformity	• maximum	55 °C			
	General Product Approval		Declaration of Conformity		









UK CA

other

**Miscellaneous** 

Further information

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