## **SIEMENS**

Data sheet 3LD2318-3VK11



SENTRON, Switch disconnector 3LD, main switch, 6-pole, lu: 160 A, Operating power / at AC-23 A at 400 V: 75 kW, floor mounting with door coupling, knob-operated mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	Floor mounting with door coupling
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
General technical data	
number of poles	6
size of switch disconnector	5
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	8 kV
operating voltage	
at AC rated value	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP on the front	IP65
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	36 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	160 A
• at AC-21 A at 240 V rated value	160 A
• at AC-21 A at 400 V rated value	160 A
• at AC-21 A at 440 V rated value	160 A

operating prover  at AC 23 A at 440 V rated value  at AC 23 A at 440 V rated value  at AC 23 A at 440 V rated value  at AC 23 A at 440 V rated value  at AC 23 A at 440 V rated value  at AC 34 at 450 V rated value  55 kW  at AC 34 24 A 54 50 V rated value  55 kW  at AC 34 25 A 50 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  55 kW  at AC 34 800 V rated value  50 v  continuous current of the auxiliary contacts  0 operating votage of auxiliary contact at AC maximum  500 V  continuous current of the auxiliary contact rated value  50 v  50 v	-t AO 00 A -t 400 Vt- dlu-	400 A
at AC-29 A at 4-00 V related value 75 kW at AC-29 A at 600 V related value 75 kW at AC-29 A at 600 V related value 75 kW at AC-29 A at 600 V related value 55 kW at AC-29 A at 600 V related value 55 kW at AC-39 A at 600 V related value 55 kW at AC-39 A at 600 V related value 55 kW at AC-39 A at 600 V related value 55 kW at AC-39 A at 600 V related value 55 kW at AC-39 At 600 V related value 55 kW at AC-39 At 600 V related value 55 kW at AC-39 At 600 V related value 55 kW at AC-39 At 600 V related value 57 kW Aurillary pricruit 75 km Across Acr	at AC-23 A at 400 V rated value	132 A
a at AC 23 A at 460 V raded value 75 kW 18 when the company of th		75 140
at AC-23 A at 440 V rated value 45 kW 45		
# at AC-3 at 300 V rated value		
* alt AC-3 at 280 V rated value * 50 kW * at AC-3 at 800 V rated value \$ 35 kW * at AC-3 at 800 V rated value \$ 37 kW * Auxiliary circuit * alt AC-3 at 800 V rated value \$ 37 kW * Auxiliary circuit * alt Auxiliary contacts for auxiliary contacts 40 0		
and AC-3 at 480 V rised value and AC-3 at 480 V rised value and AC-3 at 480 V rised value  and AC-3 at 480 V rised value  number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 poerating voltage of auxiliary contacts 0 poerating voltage of auxiliary contacts at AC maximum 500 V poerating voltage of auxiliary contact at 40 auxiliary contact auxiliary or use await auxiliary contact auxiliary contact auxiliary for use await auxiliary contact auxiliary contact auxiliary contact auxiliary contact auxiliary contact auxiliary contact auxiliary contacts auxilia		
* alt AC-3 at 890 V rated value  Autriting vircicuit  mimber of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary sorth tested value 500 V  Suitability for use main switch suitability for use main switch suitability for use switch disconnector vestibility for use switch disconnector vestibility for use switch disconnector vestibility for use safety switch vestibility for		
Ausiliary circuit number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 continuous current of the auxiliary contact sat AC maximum continuous current of the auxiliary contact rated value 500 V continuous current of the auxiliary contact rated value 500 V suitability for use main switch suitability for use which disconnector Yes suitability for use switch disconnector Yes suitability for use safety switch Yes Product denails product feature can be locked into OFF position Yes  **Contact feature can be locked into OFF position Yes **Contact feature can be locked into OFF position **No **No **No **No **No **No **No **		50 kW
number of CO contacts for auxiliary contacts on number of NC contacts for auxiliary contacts on number of NC contacts for auxiliary contacts and NC contacts for auxiliary contacts and NC continuous current of the auxiliary contact sat Version (NC continuous current of the auxiliary contact sat Version (NC continuous current of the auxiliary contact sat Version (NC continuous current of the auxiliary contact sat Version (NC continuous current of the auxiliary contact sat Version (NC continuous current of the auxiliary contact satisfatility for use switch disconnector Version (NC continuous current of the auxiliary contact satisfatility for use safety switch NC contact for auxiliary contact satisfatility for use safety switch Yes (NC contact for auxiliary contacts attachable maximum (NC contacts for auxiliary contacts attachab		37 kW
number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value suitability for use main switch suitability for use witch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use maintenance/repair switch Yes product feature can be locked into OFF position Product details  product feature can be locked into OFF position  • motor drive • voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of breakt locks maximum  anumber of breakt locks maximum  attachable maximum  attachable maximum  attachable maximum  attachable maximum  attachable maximum  attachable maximum  broot circuit  conditional short-circuit current with line-side fuse-protection  attachable maximum  attachab	Auxiliary circuit	
number of NO contacts for suxiliary contacts at A C maximum 500 V continuous current of the auxiliary contact rated value 500 V suitability for use main switch rated value 500 V suitability for use main switch rated value 700 V yes suitability for use main switch 100 V yes suitability for use switch disconnector 100 V yes suitability for use safety switch 100 V yes suitability for use safety switch 100 V yes suitability for use safety switch 100 V yes	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value 500 V  Suitability suitability for use main switch suitability for use switch disconnector suitability for use saity switch suitability switch suitability switch suitability switch suitability for use saity switch suitability switch suitab	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value suitability for use main switch suitability for use switch disconnector suitability for use switch disconnector suitability for use switch disconnector suitability for use saity switch suitability for use saity switch suitability for use maintenance/repair switch Product details product feature can be locked into OFF position roduct extension optional nonor of the voltage trigger roduct extension optional nonor of connectable NC contacts for auxiliary contacts attachable maximum rumber of connectable NC contacts for auxiliary contacts attachable maximum rumber of connectable NC contacts for auxiliary contacts attachable maximum rumber of bracket locks disturbed in maximum rumber of bracket locks of the bracket locks short-circuit conditional short-circuit current with line-side fuse reprotection at 490 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse max	number of NO contacts for auxiliary contacts	0
Insulation voltage of the auxiliary switch rated value  Suitability for use main switch  suitability for use switch disconnector  suitability for use switch disconnector  suitability for use safety switch  Product details  product deature can be locked into OFF position  **Recessories**  **Product details**  product extension optional  **motor drive  **voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  3  hasp thickness of the bracket locks maximum  3  hasp thickness of the bracket locks  **Short circuit  **conditional short-circuit current with line-side fuse protection  **at 690 V by gG fuse rated value  **at 690 V by G fuse rated value  **at 690 V br combination switch + gG fuse maximum  **at 690 V br combination swit	operating voltage of auxiliary contacts at AC maximum	500 V
Suitability for use main switch suitability for use switch disconnector suitability for use switch disconnector suitability for use safety switch suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes product details product feature can be locked into OFF position  ### Product details  ### Product details  ### Product extension optional ### omore drive ### owolage trigger ### No  ### and of the warming ### and of the combination switch + gG fuse maximum ### and of the	continuous current of the auxiliary contact rated value	10 A
suitability for use main switch suitability for use switch disconnoctor suitability for use SMERCENCY OFF switch No suitability for use safety switch yes suitability for use safety switch Yes Product details product feature can be locked into OFF position **Cocssories**  product stension optional • motor drive • voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of the connectable NC contacts for auxiliary contacts attachable maximum number of the necket locks maximum anamer of bracket locks maximum 3 hasp thickness of the bracket locks Non Circuit Conditional short-circuit current with line-side fuse protection • at 690 V by G fuse rated value • at 690 V by G fuse rated value • at 690 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse fuse fuse fuse guige:  • for short-circuit protection of the auxiliary to	insulation voltage of the auxiliary switch rated value	500 V
suitability for use SMERGENCY OFF switch suitability for use asfety switch ves suitability for use asfety switch ves suitability for use maintonance/repair switch ves product details product cottails roduct details roduct extension optional	Suitability	
suitability for use SERGENCY OFF switch ves suitability for use safety switch ves suitability for use maintenance/repair switch ves  Product details product feature can be locked into OFF position **The control of the control of th	suitability for use main switch	Yes
suitability for use safety switch  ves  roduct feature can be locked into OFF position  roduct feature can be locked into OFF position  roduct stansion optional  motor drive  voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable CC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  at 880 V by gG fuse rated value  let-through current with closed switch  at 240 V for combination switch + gG fuse maximum  at 480 V by Gr combination switch + gG fuse maximum  at 480 V for combinatio	suitability for use switch disconnector	Yes
suitability for use maintenance/repair switch Product details  product extension optional emotor drive voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of pracket locks maximum 3 nasp thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection at 48 90 V by GG fuse rated value 50 kA  let-through current with closed switch at 440 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at	suitability for use EMERGENCY OFF switch	No
Product details product feature can be locked into OFF position Accessories  product extension optional	suitability for use safety switch	Yes
product feature can be locked into OFF position  accessories  Product extension optional  • motor drive  • voltage trigger  No  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable CC contacts for auxiliary contacts attachable maximum  number of connectable CC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  3 hasp thickness of the bracket locks  brotection  • at 690 V by gG fuse rated value  et at 400 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 450 V for combination switch + gG fuse maximum  • at 450 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination switch + gG fuse maximum  • at 650 V for combination	suitability for use maintenance/repair switch	Yes
product extension optional  motor drive voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  a hasp thickness of the bracket locks maximum  a hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection • at 690 V by GS fuse rated value • let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse fuse fuse fuse	Product details	
motor drive voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum shap thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum •	product feature can be locked into OFF position	Yes
more of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum namber of bracket locks  **Conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value  **Evaluation of the bracket locks of the bracket locks  **It was the state of the was the	accessories	
voltage trigger     number of connectable NC contacts for auxiliary contacts attachable maximum     number of connectable OC contacts for auxiliary contacts attachable maximum     number of connectable CO contacts for auxiliary contacts attachable maximum     number of bracket locks maximum     aspat hickness of the bracket locks     4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection     • at 690 V by gG fuse rated value  let-through current with closed switch     • at 240 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 450 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combination switch + gG fuse maximum     • at 650 V for combinat	product extension optional	
number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks waximum of the safety of the pracket locks  Short circuit conditional short-circuit current with line-side fuse protection of the safety of the safety of the samimum of the safety of the samimum of the samimum of the safety of the combination switch + gG fuse maximum of the safety of the samimum of the	motor drive	No
number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks waximum of at 460 V by gG fuse rated value  set of the	voltage trigger	No
number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  shasp thickness of the bracket locks  A 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  shade of the combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse	number of connectable NC contacts for auxiliary contacts	3
attachable maximum number of bracket locks maximum shasp thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 960 V for combination switch + gG fuse maximum • at 960 V for combination switch + gG fuse maximum permissible  l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required fuse gL/gG: 160 A  fuse gL/gG: 10 A  operational current of upstream fuse rated value  according UL  operating Voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value		5
hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  15 kA  15 kA  • at 240 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • fuse gL/gG: 10 A  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  arted value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value		0
Conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  15 kA  • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s  design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  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 508/UL 60947-4-1 rated value  50 kA	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  16t-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the maximy switch required  operational current of upstream fuse rated value  according UL  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 508/UL 60947-4-1 rated value  50 kA  15 kA  15 kA  15 kA  15 kA  15 kA  15 kA  185 kA2.s  185 kA2.s  185 kA2.s  185 kA2.s  186 kA2.s  186 kA2.s  187 kA2.s  188 kA2.s  189 kA2.s  189 kA2.s  180 A	hasp thickness of the bracket locks	4 6 mm
protection • at 690 V by gG fuse rated value  15 kA  1240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible  15 kA • at 690 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s  design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required fuse gL/gG: 160 A fuse gL/gG: 10 A  operational current of upstream fuse rated value 160 A  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V 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	Short circuit	
e at 690 V by gG fuse rated value  let-through current with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  permissible  let value with closed switch  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 25 kA2.s  at 690 V for combination switch + gG fuse maximum  at 26 kA2.s  design of the fuse link  for short-circuit protection of the main circuit required  afuse gL/gG: 160 A  fuse gL/gG: 10 A  perational current of upstream fuse rated value  active power (hpl) at AC at 50/60 Hz according to UL 508/UL  60947-4-1 rated value  active power (hpl) at AC at 480 V according to UL 508/UL  60947-4-1 rated value  active power (hpl) at AC at 600 V according to UL 508/UL  60947-4-1 rated value		
let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  permissible  lizt value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 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 508/UL 60947-4-1 rated value	•	
at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum permissible  15 kA  15 kA  15 kA  15 kA  15 kA  16 kA  18 kA2.s		50 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>permissible</li> <li>12t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tabs kA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>fuse gL/gG: 160 A</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 10 A</li> <li>operational current of upstream fuse rated value</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1</li> <li>rated value</li> <li>operational current at AC at 50/60 Hz according to UL 508/UL 60947-4-1</li> <li>fooy47-4-1 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 508/UL 60947-4-1 rated value</li> </ul>		
at 690 V for combination switch + gG fuse maximum permissible  12t value with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse gazes  at 690 V for combination switch + gG fuse gazes  at 690 V for combination switch + gG fuse gazes  at 690 V for combination switch + gG fuse gazes  at 690 V for combination switch + gG fuse gazes  at 690 V for combinat		
Description	-	
at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum  before short-circuit protection of the main circuit required before short-circuit protection of the auxiliary switch required before short-circuit protection of the main circuit required before short-circuit protection of the maximum before short-circuit protection of the maximum before short-circuit protection of the maximum before short-circuit protection of the auxiliary switch required before short-circuit protection of th	permissible	15 kA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum  185 kA2.s  design of the fuse link  • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  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 508/UL 60947-4-1 rated value  50  50		
<ul> <li>at 690 V for combination switch + gG fuse maximum</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 160 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</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 508/UL 50947-4-1 rated value</li> <li>50</li> </ul>		
design of the fuse link  • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  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 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  50  60  60  60  60  60  60  60  60  60		
for short-circuit protection of the main circuit required     for short-circuit protection of the auxiliary switch required     fuse gL/gG: 10 A      operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  50  50  50		185 kA2.s
● for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  50  50	design of the fuse link	
operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V  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 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 508/UL 60947-4-1 rated value		
operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  50 60947-4-1 rated value		
operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  50 60947-4-1 rated value	<u> </u>	160 A
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 508/UL 60947-4-1 rated value  50  50	according UL	
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 508/UL 60947-4-1 rated value  50		
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  50	60947-4-1 rated value	600 V
60947-4-1 rated value		75
short-time withstand current (SCCR) at 600 V according to 10 kA	60947-4-1 rated value	50
	short-time withstand current (SCCR) at 600 V according to	10 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated	200 A
value	200 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	1
•	4/0
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16185mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (16150mm²)
stranded	1x (16185mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	168 mm
width	224 mm
depth	106 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
<ul> <li>4-hole front mounting</li> </ul>	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	No
net weight	4 568 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Approvals Certificates	

**General Product Approval** 



Confirmation









other Environment

Confirmation **Miscellaneous Environmental Con-Environmental Con**firmations <u>firmations</u>

Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2318-3VK11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2318-3VK11

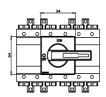
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2318-3VK11">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2318-3VK11</a>

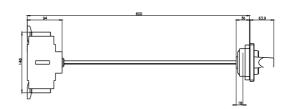
CAx-Online-Generator

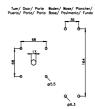
http://www.siemens.com/cax

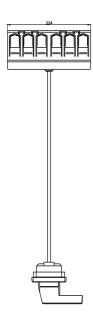
**Tender specifications** 

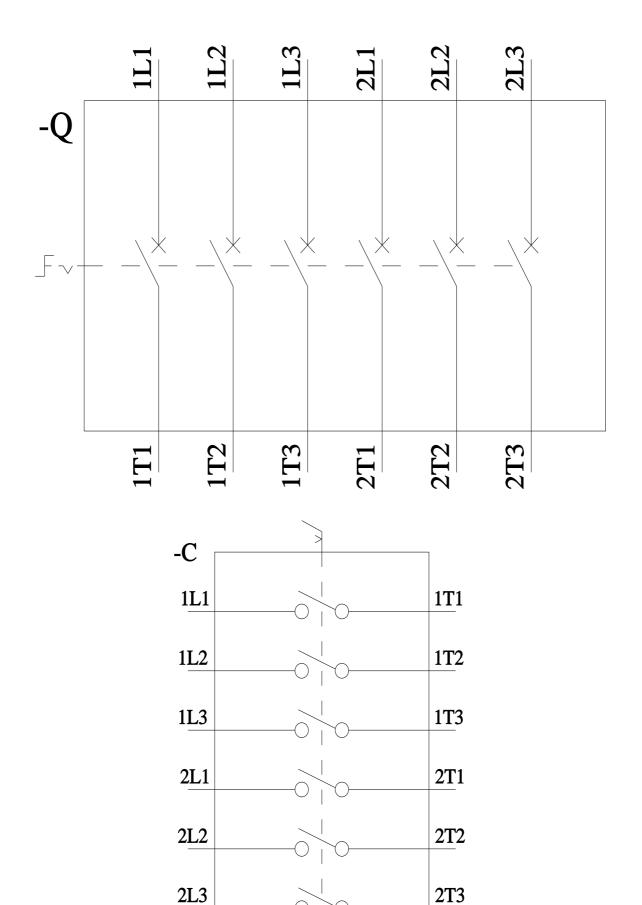
http://www.siemens.com/specifications











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