## **SIEMENS**

Data sheet 3LD2017-0TK13



SENTRON, switch disconnector 3LD, EMERGENCY OFF switch, 3-pole, Iu: 16 A, Operating power / at AC-23 A at 400 V:  $7.5 \, \text{kW}$ , floor mounting with door coupling, defeatable knob-operated mechanism, red/yellow, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP 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	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	1
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	6 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	0.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	16 A
• at AC-21 A at 240 V rated value	16 A
<ul> <li>at AC-21 A at 400 V rated value</li> </ul>	16 A
• at AC-21 A at 440 V rated value	16 A
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	16 A

operating severs  • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 at 400 V rated value • at A-C-23 at 400 V rated value • at A-C-23 at 800 V rated value • at a 800 V rated value • at A-C-23 at 800 V rated value • at a 800 V rated value • at A-C-23 at 800 V rated value • at 8		
e at AC-23 A at 400 V rated value	operating power	
e at AC-23 A at 400 V rated value		
e at AC-23 at 40 V rated value e at AC-3 at 40 V rated value  Anuther of CO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  o o poperating values of auxiliary contact at AC maximum goor auxiliary contact at AC maximum continuous current of the auxiliary contact at along the auxiliary contact at AC maximum or an extension value of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value  insulation voltage of the auxiliary switch rated value  insulation voltage of the auxiliary switch rated value  insulation voltage of the auxiliary switch rated value  insulation voltage insulation  insulation voltage insulation voltage insulation  insulation voltage insulation  insulation voltage insulation voltage insulation voltage insulation voltage insulation  insulation voltage		
e at AC-3 at 240 V rated value   • at AC-3 at 680 V rated value   • 55 kW  Auxiliary circuit   unmber of CC contacts for auxiliary contacts   0   unmber of NC contacts for auxiliary contacts   0   unmber of NC contacts for auxiliary contacts   0   operating voltage of auxiliary contacts   0   operating voltage of auxiliary contact at act value   0   operating voltage of auxiliary contact at act value   0   operating voltage of auxiliary contact set value   0   operating voltage of auxiliary contact at act value   0   operating voltage of the auxiliary switch rated value   0   0   0   0   0   0   0   0   0		
e at AC3 at 400 V rated value		
available year of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  o continuous correct of the auxiliary contact at AC maximum  oorthinuous correct of the auxiliary contact at AC maximum  oorthinuous correct of the auxiliary switch rated value  insulation votage of the auxiliary switch rated value  suitability for use  * main switch  * anin swi		
Auxillary circuit number of NC contacts for auxiliary contacts		
rumber of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts at AC maximum solv operating voltage of auxiliary avitch sat AC maximum solv operating voltage of auxiliary avitch rated value insulation voltage of the auxiliary avitch rated value suitability s		5.5 kW
number of NC contacts for auxiliary contacts on the number of NC contacts for auxiliary contacts on the number of NC contacts of auxiliary contact and value 500 V control stage of auxiliary contact and value 500 V sustability for use  Insulation voltage of the auxiliary switch rated value 500 V sustability for use  Insulation voltage of the auxiliary switch rated value 500 V sustability for use  Insulation voltage of the auxiliary switch rated value 500 V sustability for use  Insulation voltage of the auxiliary switch rated value 500 V sustability for use  Insulation voltage insulation 500 V yes  Insulation voltage of the auxiliary switch 79s yes  Insulation voltage insulation 500 V yes  Insulation 500 V ye	Auxiliary circuit	
number of NO contacts for auxiliary contacts of auxiliary contacts at AC maximum continuous current of the auxiliary switch rated value insulation vottage of the auxiliary switch rated value Sidability suitability suitability for use — main switch — switch disconnector — SEMERGENCY OFF switch — switch disconnector — SEMERGENCY OFF switch — safety switch — maintenance/repairs switch — Troduct datalia  product feature can be locked into OFF position — socked table  product feature can be locked into OFF position — second five — voltage trigger — No number of connectable NC contacts for auxiliary contacts — statischable 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 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 — sa the statischable maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination switch + gG fuse maximum — at 400 V for combination swit	·	
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value  Sout V  Suitability suitability for use  • main switch • switch disconnector • self-RERGENCY OFF switch • switch disconnector • Self-RERGENCY OFF switch • safety switch • maintenance/repair switch  Product distalis  product feature can be locked into OFF position  Prospective feature can be locked into OFF position  Product distalis  product eatension optional • motor offive • 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 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 tracket locks auxiliary contacts attachable maximum  attachable maximum  3 hasp brinkness of the bracket locks  4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection • at 800 V by Gif use rated value  10 VA  12 NA  12 NA  13 NA  14 160 V for combination switch + gG fuse maximum • at 600 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maxi		
continuous current of the auxiliary contact rated value  insulation vottage of the auxiliary switch rated value  500 V  sultability  sultability  sultability  sultability for use  main switch  switch disconnector  EMERGENCY OFF switch  Safety switch  Safety switch  Safety switch  Toda  Safety switch  Toda  Safety switch  Safety switch  Toda  Safety switch  Safety switch  Safety switch  Toda  Safety switch  Toda  Safety switch  Toda  Safety switch  Toda  Safety switch  Safety switch  Toda  Safety switch  Safety switch  Safety switch  Toda  Safety switch  Toda  Safety switch  Safety swi	number of NO contacts for auxiliary contacts	0
insulation vallage of the auxiliary switch rated value  Suitability for use  main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Tyes maintenance/repair switch Tyes Through details product feature can be locked into OFF position consistency the value of dealer product feature can be locked into OFF position consistency the value of dealer more of the value of the walliary contacts the value of the value to valtage trigger No number of connectable NC contacts for auxiliary contacts that behaviors.  The value of connectable NC contacts for auxiliary contacts that behaviors.  The value of connectable NC contacts for auxiliary contacts that behaviors.  The value of the value		500 V
Suitability Suitability Suitability for use  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  Yes  maintenance/repair switch  Yes  Product dotalis  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 pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum number of pronectable NC contacts for auxiliary contacts attachable maximum a ta 690 V by gG fuse rated value 50 kA  let-through current with closed switch 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 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 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 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 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at	continuous current of the auxiliary contact rated value	10 A
sultability for use  main switch switch disconnector EMERGENCY OFF switch safety switch Tyes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes  maintenance/repair switch Yes  product details 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 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 bracket locks maximum 3 hasp thickness of the bracket locks Nhort circuit conditional short-circuit current with line-side fuse protection at 4800 V by gG fuse rated value 10 tet-through current with losed switch at 4800 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 maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum	insulation voltage of the auxiliary switch rated value	500 V
main switch     switch disconnector     SMERGENCY OFF switch     safety switch     maintenancerepair switch     Yes     safety switch     maintenancerepair switch     Yes     Product deaths     product feathers     product teathers can be locked into OFF position     Ves     STORE TOWN	Suitability	
Switch disconnector     EMERGENCY OFF switch     Safety switch     maintenance/repair switch     Yes     product detains     product eature can be locked into OFF position     vession optional     motor drive     voltage trigger     No     voltage trigger     No     number of connectable NC contacts for auxiliary contacts     attachable maximum     number of connectable NC contacts for auxiliary contacts     statischable maximum     number of connectable NC contacts for auxiliary contacts     statischable maximum     number of connectable NC contacts for auxiliary contacts     statischable maximum     number of connectable NC contacts for auxiliary contacts     statischable maximum     number of connectable NC contacts for auxiliary contacts     statischable maximum     number of bracket locks maximum     number of bracket locks maximum     auximum     value of the bracket locks     3nor circuit     conditional short-circuit current with line-side fuse protection     at a 40 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 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	suitability for use	
EMERGENCY OFF switch  safety switch  safety switch  raminetranocerepair switch  Product details  product feature can be locked into OFF position  Processories  product extension optional  not or drive  votage trigger  nounder of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  nabap trickness 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  50 kA  let-through current with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for comb	• main switch	Yes
* safety switch     * maintenance/repair switch     * maintenance/repair switch     * maintenance/repair switch     * ves     * maintenance/repair switch     * ves     * modure details     * product details     * product extension optional     * motor drive     * voltage trigger     * No     * unwher of connectable NC contacts for auxiliary contacts     * attachable maximum     * number of connectable CO contacts for auxiliary contacts     * attachable maximum     * number of bracket locks maximum     * number of bracket locks maximum     * at 800 V by gG fuse rated value     * at 800 V by gG fuse rated value     * at 440 V for combination switch + gG fuse maximum     * at 440		Yes
maintenance/repair switch  Product details product extension optional motor drive notor drive votage 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 NC contacts for auxiliary contacts attachable maximum number of bracket locks maximum namber of bracket locks maximum at 680 V by gG fuse rated value set-through current with closed switch at 240 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse m	EMERGENCY OFF switch	Yes
Product feature can be locked into OFF position  product feature can be locked into OFF position  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 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 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 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 NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts at 690 V for combination switch + gG fuse maximum number of contact for auxiliary contacts number of contact for auxiliary contacts number of contact for auxiliary contacts number of contact for auxiliary for auxiliar	• safety switch	Yes
product feature can be locked into OFF position  coessories  product extension optional  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 bracket locks maximum a hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection a 16 90 V by gG fuse rated value bet-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 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 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 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 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 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 4		Yes
product extension optional  • motor drive  • vottage trigger  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 connectable CO 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  3 hasp thickness of the bracket locks maximum  3 hasp thickness of the bracket locks maximum  • at 690 V by gG fuse rated value  10 the functional short-circuit current with line-side fuse protection  • at 690 V by GG fuse rated value  10 the function of the contact for auxiliary contacts  11 the functional short-circuit current with line-side fuse protection  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 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 ma	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 connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  shasp thickness of the bracket locks  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 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  • for short-circuit protection of the auxiliary switch required  • fo	product feature can be locked into OFF position	Yes
Mo   Voltage trigger   No   No   No	accessories	
• voltage trigger  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 connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  nasp 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 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  12t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  2.5 kA2.s  • 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	product extension optional	
number of connectable NC contacts for auxillary contacts attachable maximum number of connectable NC contacts for auxillary contacts attachable maximum number of connectable CO contacts for auxillary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum number of bracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection • at 690 V by G fuse rated value 12t Val 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 440 V for combination switch + gG fuse maximum 12t 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 890 V for combination switch + gG fuse maximum • at 890 V for combination switch + gG fuse maximum • at 890 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 maximum • at 690 V for combinat	<ul> <li>motor drive</li> </ul>	No
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 number of bracket locks maximum namber of bracket locks maximum namber of bracket locks maximum namber of bracket locks 4 6 mm  Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum at 400 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 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 6esign of the fuse link • 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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 20 A • fuse gL/gG:	voltage trigger	No
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  namber of bracket locks maximum  namber of bracket locks s 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 690 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 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 • 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 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  short-line withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 rated value  short-line withstand current (SCCR) at 600 V according to UL  5 kA		3
attachable maximum number of bracket locks maximum 1 hasp thickness of the bracket locks 2 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  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum 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 690 V for combination switch + gG fuse maximum • at 6		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  • at 240 V for combination switch + gG fuse maximum  • at 490 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  permissible  I2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 490 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  • 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: 20 A  goerational 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  operating voltage at AC at 480 V according to UL 508/UL 60947-4-1  rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA		0
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 690 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  e 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  of sign of the fuse link  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  operational current of upstream fuse rated value  20 A  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	number of bracket locks maximum	3
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 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 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  • 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  20 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  short-time withstand current (SCCR) at 600 V according to UL.  5 kA	hasp thickness of the bracket locks	4 6 mm
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 460 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 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  closed fuse gL/gG: 20 A  fuse gL/gG: 20 A  fuse gL/gG: 10 A  perational 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 480 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL  short-time withstand current (SCCR) at 600 V according to UL  5 kA	Short circuit	
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  I2t 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  • 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  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	conditional short-circuit current with line-side fuse protection	
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  Izt value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for	at 690 V by gG fuse rated value	50 kA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum permissible  I2t value with closed switch at 240 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690	let-through current with closed switch	
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 be at 690 V for combination switch + gG fuse glass	<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	3 kA
permissible  I2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • 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: 20 A  • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  20 A  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  short-time withstand current (SCCR) at 600 V according to UL 5 KA	<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	3 kA
at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  at 690 V for short-circuit protection of the main circuit required fuse gL/gG: 20 A  fuse gL/gG: 10 A  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA		3 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  be at 690 V for combination switch + gG fuse maximum  class of the fuse link  be for short-circuit protection of the main circuit required fuse gL/gG: 20 A  coperational current of upstream fuse rated value  coperational current at AC according to UL 508/UL 60947-4-1  cated value  coperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  coperating voltage at AC at 480 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	I2t value with closed switch	
at 690 V for combination switch + gG fuse maximum  design of the fuse link  for short-circuit protection of the main circuit required  fuse gL/gG: 20 A  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	• at 240 V for combination switch + gG fuse maximum	2.5 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  20 A  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	2.5 kA2.s
<ul> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 20 A</li> <li>fuse gL/gG: 10 A</li> <li>operational current of upstream fuse rated value</li> <li>20 A</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 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> <li>short-time withstand current (SCCR) at 600 V according to UL</li> <li>5 kA</li> </ul>	• at 690 V for combination switch + gG fuse maximum	3 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 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 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 5 kA	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 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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	• for short-circuit protection of the main circuit required	fuse gL/gG: 20 A
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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	operational current of upstream fuse rated value	20 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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	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  short-time withstand current (SCCR) at 600 V according to UL  5 kA		16 A
4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA		600 V
4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA		7.5
		10
333.2 333 1	short-time withstand current (SCCR) at 600 V according to UL	5 kA

continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid	
• maximum	10
• minimum	18
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (14mm²)
• stranded	1x (16mm²)
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 $\dots$ 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	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	75 mm
width	67 mm
depth	385 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	Yes
net weight	404 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
maximum	55 °C
General Product Approval	





Confirmation





**Miscellaneous** 

General Product Approval

**Declaration of Conformity** 

Marine / Shipping

other

EAC







Miscellaneous Confirmation

Environment

Environmental Confirmations

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3LD2017-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2017-0TK13

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2017-0TK13

**CAx-Online-Generator** 

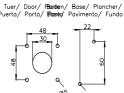
http://www.siemens.com/cax

**Tender specifications** 

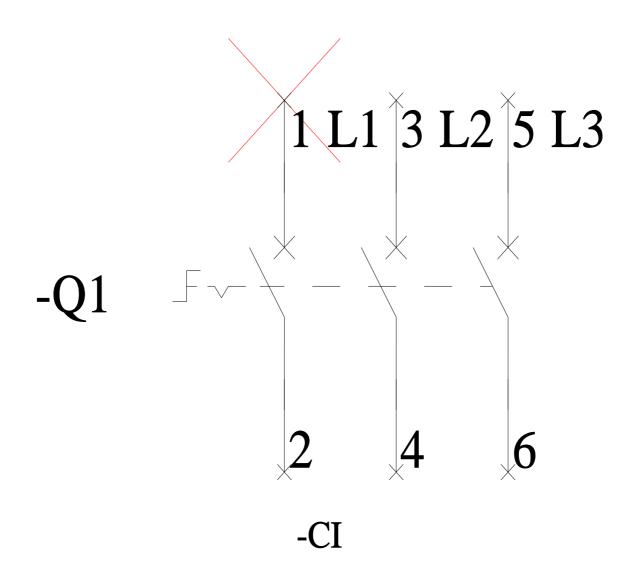
http://www.siemens.com/specifications

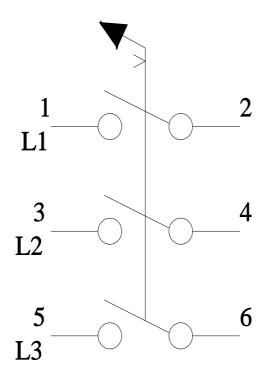












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