SIEMENS

Data sheet 3LD2804-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 125 A, operating power / at AC-23 A 400 V: 45 kW, front-mounted, rotary operating 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 | front mounted |
| design of the actuating element | Short rotary knob |
| color of the actuating element | red |
| design of handle | rotary operating mechanism, red/yellow |
| type of the driving mechanism motor drive | No |
| General technical data | |
| number of poles | 3 |
| size of switch disconnector | 4 |
| 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 | 12 W |
| Main circuit | |
| operational current | |
| • at AC-21 at 690 V rated value | 125 A |
| • at AC-21 A at 240 V rated value | 125 A |
| • at AC-21 A at 400 V rated value | 125 A |
| • at AC-21 A at 440 V rated value | 125 A |

| operating power at AC-23 At all 400 V rided value at AC-33 at 300 V rided value at AC-34 at 300 V | a at AC 22 A at 400 V rated value | 90 A |
|--|---|------------------|
| at AC-23 A at 400 V rited value at AC-23 A at 400 V rited value 4 AK-W at AC-23 A at 400 V rited value 4 AK-W at AC-23 A at 400 V rited value 2 EVW at AC-30 A at 400 V rited value 2 EVW at AC-30 A at 400 V rited value 3 FWW at AC-30 A at 400 V rited value 2 EVW at AC-30 A at 400 V rited value 3 FWW at AC-30 At 400 V rited value 2 EVW at AC-30 At 400 V rited value 3 FWW Auritary circuit number of NC contacts for auxiliary contacts 0 cumber of NC contacts for auxiliary contact value 10 A Insulation value of the auxiliary contact value 10 A Insulation value of the auxiliary contact value 10 A Insulation value of the auxiliary contact value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A | at AC-23 A at 400 V rated value | 80 A |
| a al AC-23 A at 400 V rated value at AC-32 A at 400 V rated value at AC-32 A at 600 V rated value at AC-33 at 200 V rated value at AC-34 at 200 V rated value at 200 V rat | | 22 MW |
| at AC-23 A at 440 V rated value bit AC-23 A at 400 V rated value can AC-33 at 280 V rated value can AC-33 at 400 V rated value can AC-34 at 400 V rated value can AC-34 at 400 V rated value can AC-35 at 400 V rated va | | |
| at IA-C3 at 380 V rated value 22 kW at IA-C3 at 380 V rated value 22 kW at IA-C3 at 380 V rated value 37 kW at IA-C3 at 380 V rated value 37 kW at IA-C3 at 380 V rated value 38 kW 380 W | | |
| a cl AC-3 at 240 V rated value b cl AC-3 at 850 V rated value c at at 850 V rated val | | |
| and AC-3 at 400 V rated value at AC-3 at 500 V rated value 30 kW Aurithry circuit number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 continuous current of the auxiliary contacts 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch 10 A | | |
| * ait AC-3 at 990 V rated value Auxiliary circuit mumber of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating valtage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary switch rated value 500 V Suribility Suribility for use main switch 1 Yes autiability for use switch disconnector 2 Yes suitability for use switch disconnector 3 valuability for use switch disconnector 4 Yes suitability for use switch disconnector 4 Yes suitability for use safety switch 4 Yes suitability for use safety switch 5 Yes suitability for use safety switch 7 Yes suitability for use safety switch 8 Yes suitability for use safety switch 9 No | | |
| Austilary circuit number of ICO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 porating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value solve the auxiliary contact rated value suitability for use main switch Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use safety switch No | | |
| number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts at 0 operating voltage of auxiliary contacts at 0 insulation voltage of the auxiliary contact sat value insulation voltage of the auxiliary contact sat value insulation voltage of the auxiliary switch rated value suitability for use main switch ves suitability for use main switch ves suitability for use maintenance/repair switch ves suitability for use safety switch ves suitability for use maintenance/repair switch ves suitability for use safety switch ves suitability for use maintenance/repair switch ves suitability for | | 30 KW |
| number of NC contacts for auxiliary contacts at AC maximum product and the auxiliary contact area of the auxiliary contact and the auxiliary contact area of the auxiliary contact area of the auxiliary contact and the auxiliary contact area of the auxiliary contacts attachable maximum product extension optional endored the auxiliary contacts attachable maximum and the auxiliary contacts | | |
| number of NO contacts for suxiliary contacts at AC maximum Continuous current of the suxiliary contact rated value Soo V Sortability Surbability Surbability for use main switch suitability for use main switch suitability for use switch disconnector suitability for use safety switch suitability for use safety switch suitability for use safety switch ves suitability for use safety switch ves suitability switch regulared ves suitability for use safety switch suitabil | · | |
| operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value 500 V Solitability suitability for use main switch suitability for use switch disconnector ves suitability for use switch disconnector yes suitability for use switch disconnector yes suitability for use safety switch ves suitability for use safety use suitability for use safety switch ves suitability for use safety switch ves suitability for use suitability for use suitabili | | |
| continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value S00 V suitability for use main switch Suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use safety switch Yes Product feature can be locked into OFF position Yes Product feature can be locked into OFF position No | | |
| Insulation voltage of the auxiliary switch rated value Suitability for use main switch Yes suitability for use switch disconnector Yes suitability for use safety switch Suitability for use safety switch Yes Product feature can be locked into OFF position Accessories product cetains Product feature can be locked into OFF position No No No No No No No No No | | |
| suitability for use main switch suitability for use switch disconnector ves suitability for use safety switch yes suitability for use maintenance/repair switch Yes product feature can be locked into OFF position **Cocassories** **Product extension optional** **motor drive** **voltage trigger** **non or drive** **voltage trigger** **non or onnectable 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 CO contacts for auxiliary contacts attachable maximum **number of bracket locks maximum **number of bracket locks maximum **number of bracket locks maximum **sap thickness of the bracket locks **Short clout **Conditional short-circuit current with line-side fuse protection **at 880 V by gG fuse rated value **let 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination swi | - | |
| suitability for use switch disconnector suitability for use switch disconnector suitability for use MERCENCY OFF switch Yes suitability for use SafeRCENCY OFF switch Yes suitability for use safety switch Yes suitability for use maintenance/repair switch Yes Product details product feature can be locked into OFF position **Cocosories** 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 the switch of t | , | 500 V |
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| suitability for use Safety 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 **Pes **Product details **Product d | <u> </u> | |
| 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 690 V by gG fuse rated value let-through current with closed switch at 240 V for combination switch + gG fuse maximum at 480 V for combination | · · · | |
| suitability for use maintenance/repair switch Product details product extension optional enter of rive 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 CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 nasp thickness of the bracket locks 48 mm Short circuit conditional short-circuit current with line-side fuse protection a 1890 V by GG fuse rated value 20 kA let-through current with closed switch al 240 V for combination switch + gG fuse maximum 10 kA 1 at 490 V for combination switch + gG fuse maximum 2 at 480 V for combination switch + gG fuse maximum 10 kA 1 at 490 V for combination switch + gG fuse maximum 10 kA 2 at 280 V for combination switch + gG fuse maximum 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 280 V for combination switch + gG fuse maximum 10 kA2.s 4 at 440 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for comb | | |
| Product details product feature can be locked into OFF position 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 CO contacts for auxiliary contacts attachable maximum 3 hasp thickness of the bracket locks maximum 13 hasp thickness of the bracket locks maximum 3 hasp thickness of the bracket locks maximum 10 kA or mm Short cricuit conditional short-circuit current with line-side fuse protection at 480 V by gG fuse rated value 10 tathrough current with closed switch 10 kA 10 | suitability for use safety switch | Yes |
| product feature can be locked into OFF position **coessories** product extension optional | | Yes |
| 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 CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum a hasp thickness of the bracket locks maximum hasp thickness of the bracket locks maximum hasp thickness of the bracket locks brotectic conditional short-circuit current with line-side fuse protection at 690 V by gG fuse rated value et-through current with closed switch 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 brotectic function of the main circuit required for short-circuit protection of the main circui | Product details | |
| product extension optional • motor drive • 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 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 permissible lizt 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 • 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 switc | · · · · · · · · · · · · · · · · · · · | Yes |
| * motor drive * voltage trigger * 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 connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks **Onditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 20 kA | 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 bracket locks maximum asapphickness of the bracket locks 4 8 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 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 460 V for combination switch + gG fuse maximum • at 460 V for combination switch + gG fuse maximum • at 460 V for combination switch + gG fuse maximum • at 460 V for combination switch + gG fuse maximum • at 460 V for combination switch + gG fuse maximum • at 460 V for combination switch + gG fuse maximum • at 460 V for combination switch + gG fuse maximum • at 460 V for combinati | 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 maximum of at 4690 Vby gG fuse rated value 10 kA 10 kA | motor drive | No |
| 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 3 hasp thickness of the bracket locks 4 8 mm Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by g G fuse rated value 20 kA let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 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 permissible lizt 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 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 104 kA2.s design of the fuse link for short-circuit protection of the main circuit required for short-circuit protection of the maximum year fuse gL/gG: 125 A 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 (Flp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value | voltage trigger | No |
| attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 has pthickness of the bracket locks 48 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 • 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 | | 3 |
| attachable maximum number of bracket locks maximum hasp thickness of the bracket locks 4 8 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 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 10 kA • at 690 V for combination switch + gG fuse maximum 10 kA2.s • at 440 V for combination switch + gG fuse maximum 104 kA2.s • at 690 V for combination switch + gG fuse maximum 104 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 125 A according UL 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 480 V according to UL 508/UL 60947-4-1 rated value | | 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 20 kA 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 at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be 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 be 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 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be | | 0 |
| Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 20 kA 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 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 490 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value | number of bracket locks maximum | 3 |
| conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 20 kA let-through current 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 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 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 • for short-circuit protection of the auxiliary switch required • 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 600 V according to UL 508/UL 60947-4-1 rated value | hasp thickness of the bracket locks | 4 8 mm |
| protection | 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 • 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 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 | | |
| 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 bermissible 10 kA | at 690 V by gG fuse rated value | 20 kA |
| at 440 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 690 V for combination switch + gG fuse maximum 40 kA2.s 40 sign 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 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 | let-through current with closed switch | |
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| Description | • at 440 V for combination switch + gG fuse maximum | 10 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 before short-circuit protection of the main circuit required fuse gL/gG: 125 A before 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 104 kA2.s fuse gL/gG: 125 A fuse gL/gG: 10 A fuse gL/gG: 10 A 600 V 60047-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value | · · · · · · · · · · · · · · · · · · · | 10 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 104 kA2.s design of the fuse link a for short-circuit protection of the main circuit required a fuse gL/gG: 125 A b for short-circuit protection of the auxiliary switch required according UL operational current of upstream fuse rated value 125 A 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 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 100 | 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: 125 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 100 100 100 | at 240 V for combination switch + gG fuse maximum | 104 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 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 440 V for combination switch + gG fuse maximum | 104 kA2.s |
| ● 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 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 ● fuse gL/gG: 10 A ○ A | • at 690 V for combination switch + gG fuse maximum | 104 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 100 100 | 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 100 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 100 100 100 100 100 100 100 100 100 10 | 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 125 A 75 100 100 100 100 100 100 100 100 100 10 | operational current of upstream fuse rated value | 125 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 100 | according 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 100 | | |
| active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 100 | 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 | 100 |
| | 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 value type of fuse according to UL RK5 PAWG number as coded connectable conductor cross section solid maximum • 1 • 12 type of connectable conductor cross-sections for copper conductor • solid • finely stranded with core end processing • stranded type of connectable conductor cross-sections for auxiliary | |
|---|---|
| RK5 AWG number as coded connectable conductor cross section solid maximum | |
| AWG number as coded connectable conductor cross section solid maximum • 1 • 12 type of connectable conductor cross-sections for copper conductor • solid • finely stranded with core end processing • stranded 1x (4350) 1x (4350) | |
| section solid maximum 1 1 2 type of connectable conductor cross-sections for copper conductor • solid • finely stranded with core end processing • stranded 1x (435) 1x (435) | |
| type of connectable conductor cross-sections for copper conductor solid finely stranded with core end processing stranded 12 12 1x (450) 1x (450) 1x (450) | |
| type of connectable conductor cross-sections for copper conductor • solid • finely stranded with core end processing • stranded 1x (450) 1x (450) | |
| solid finely stranded with core end processing stranded 1x (450) 1x (435) 1x (435) | |
| • finely stranded with core end processing • stranded 1x (435) 1x (435) | |
| • stranded 1x (450) | nm²) |
| | |
| ype of connectable conductor cross-sections for auxiliary | nm²) |
| contacts | |
| • solid lateral au (0,75 2, | ciliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x 5mm²) |
| • finely stranded with core end processing lateral aux 2,5mm² | ciliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x |
| • stranded lateral au (0,75 2 | ciliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x 5mm²) |
| ype of electrical connection | |
| • for main current circuit box termin | nal |
| • for auxiliary contacts connectio | n terminals |
| echanical Design | |
| neight 106 mm | |
| width 90 mm | |
| depth 112.5 mm | |
| type of device fixed mou | nting |
| fastening method Built-in un | it fixed-mounted version |
| fastening method | |
| • 4-hole front mounting Yes | |
| • front mounting with central attachment No | |
| • rail mounting No | |
| net weight 480 g | |
| nvironmental conditions | |
| ambient temperature during operation | |
| • minimum -25 °C | |
| • maximum 55 °C | |
| ambient temperature during storage | |
| • minimum -25 °C | |
| • maximum 55 °C | |
| pprovals Certificates | |

General Product Approval







Confirmation





General Product Approval

Marine / Shipping

other

Miscellaneous







Confirmation

Miscellaneous

Environment

Environmental Confirmations

Environmental Confirmations

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=3LD2804-0TK53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2804-0TK53

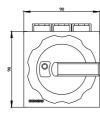
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2804-0TK53

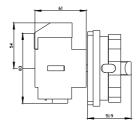
CAx-Online-Generator

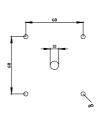
http://www.siemens.com/cax

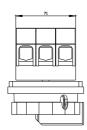
Tender specifications

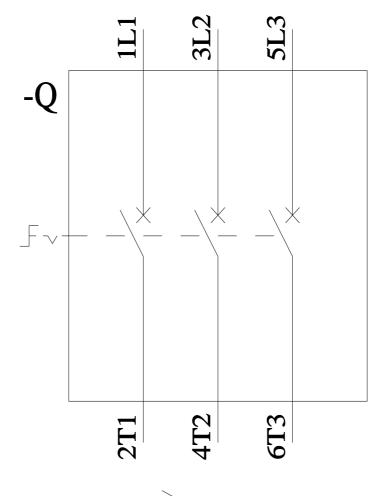
http://www.siemens.com/specifications

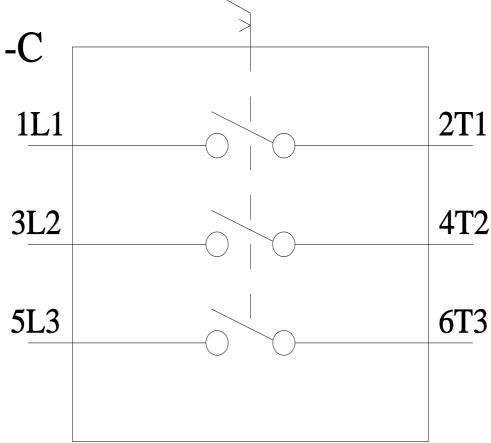












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