SIEMENS

Data sheet

3LD2064-1GP53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, Molded plastic encapsulation for metric cable gland, 1 NC, 1 NO, rotary operating mechanism, red/yellow

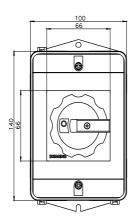
product brand name SENTRON		
product designation Switch disco	onnector	
design of the product EMERGEN	CY-STOP switch	
display version for switch position indicator manual operation 1 ON - 0 OF	F	
type of switch Molded-plas	stic enclosure for metric threaded joint	
design of the actuating element Short rotary	knob	
color of the actuating element red		
design of handle rotary operation	ting mechanism, red/yellow	
type of the driving mechanism motor drive No		
General technical data		
number of poles 3		
number of poles note N		
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, 4X, 12		
protection class IP on the front IP65		
Dissipation		
power loss [W] for rated value of the current at AC in hot 0.5 W operating state per pole		
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		
• at AC-21 A at 400 V rated value 16 A		
• at AC-21 A at 440 V rated value 16 A		

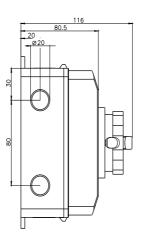
• at AC-23 A at 400 V rated value	16 A
operating power	
at AC-23 A at 240 V rated value	4 kW
 at AC-23 A at 400 V rated value 	8 kW
 at AC-23 A at 440 V rated value 	7.5 kW
 at AC-23 A at 690 V rated value 	8 kW
 at AC-3 at 240 V rated value 	3 kW
 at AC-3 at 400 V rated value 	6 kW
 at AC-3 at 690 V rated value 	5.5 kW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	3
number of connectable CO contacts for auxiliary contacts attachable maximum	0
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 gG fuse rated value	50 kA
let-through current with closed switch	
• at 240 V for combination switch + gG fuse maximum	3 kA
 at 440 V for combination switch + gG fuse maximum at 600 V for combination switch + gC fuse maximum 	3 kA
at 690 V for combination switch + gG fuse maximum permissible	3 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	2.5 kA2.s
 at 440 V for combination switch + gG fuse maximum at 600 V for combination switch + gC fuse maximum 	2.5 kA2.s
at 690 V for combination switch + gG fuse maximum	3 kA2.s
design of the fuse link	fuee of /oC+ 20 A
 for short-circuit protection of the main circuit 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	fuse gL/gG: 10 A 20 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1	16 A
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-	7.5
4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-	10
4-1 rated value short-time withstand current (SCCR) at 600 V according to UL	5 kA
508/UL 60947-4-1	

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
•	18
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16mm²)
 finely stranded with core end processing 	1x (14mm²)
stranded type of connectable conductor cross-sections for auxiliary	1x (16mm²)
contacts solid 	lateral auviliary avitables (0.75 - 0.5mm2). 14 (mm2; front auviliary avitables (
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 finely stranded with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
for main current circuit	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	152 mm
width	100 mm
depth	117 mm
type of device	fixed mounting
fastening method	Complete unit in enclosure
fastening method	
• 4-hole front mounting	No
 front mounting with central attachment 	Yes
rail mounting	No
net weight	476 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Approvals Certificates	
General Product Approval	
	Confirmation
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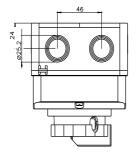
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2064-1GP53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2064-1GP53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2064-1GP53 CAx-Online-Generator http://www.siemens.com/cax **Tender specifications**

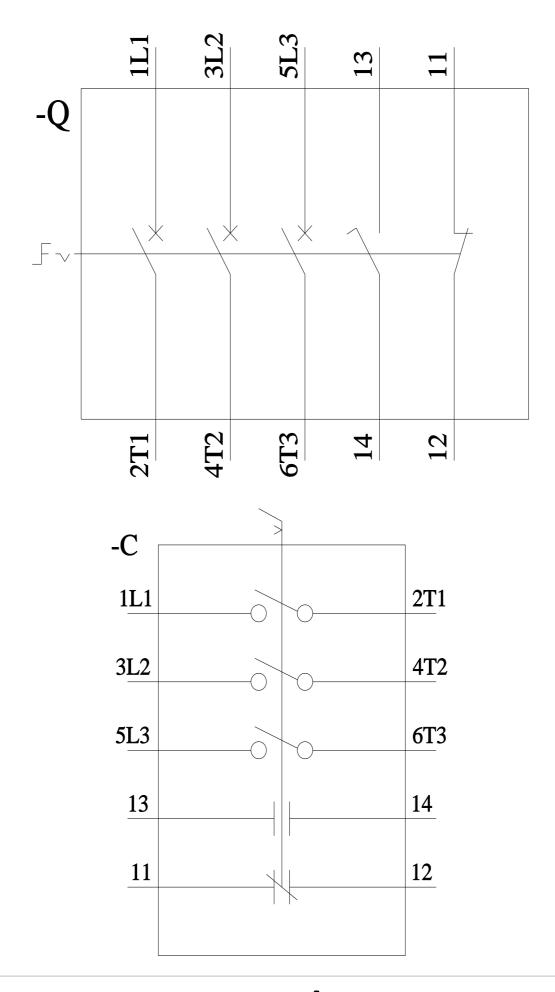
http://www.siemens.com/specifications











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