SIEMENS

Data sheet

3LD3248-0TK53



Load disconnector 3LD3, Iu 32 A Main switch 3-pole Rated operating capacity for AC-23 A at 400V 11.5kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Rotary actuator red / yellow 66 x 66 mm

product brand name SENTRON product designation Switch disconnector display tyersion for switch position indicator manual operation 1 ON - 0 OFF Type of switch Floor mounting with door coupling design of the actuating element Short rotary knob color of the actuating element red design of the actuating element red design of the actuating element red design of the actuating element red color of the actuating element red design of the actuating element red number of poles 3 number of poles note 3 number of poles note 3 eat AC-23 A at 800 V 6000 operating frequency maximum 50 1/h degree of pollution 3 Votage fead V surge voltage resistance rated value 690 V operating frequency rated value 690 V operating requency rated value 690 V operating requency rated value 690 V operating requency rated value 690 V	Model	
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 red 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	product brand name	SENTRON
display version for switch position indicator manual operation 1 ON - 0 OFF type of switch Floor mounting with door coupling design of the actualing element Short rotary knob color of the actualing element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No General technical data	product designation	Switch disconnector
type of switch Floor mounting with door coupling 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 tochnical data	design of the product	EMERGENCY-STOP switch
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design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No General technical data	design of the actuating element	Short rotary knob
type of the driving mechanism motor drive No Ceneral technical data	color of the actuating element	red
General technical data 3 number of poles 3 number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage 600 V insulation voltage rated value 690 V surge voltage resistance rated value 680 V operating frequency maximum 50 Hz operating frequency rated value 690 V operating frequency rated value 60 Hz Protection class IP IP65 degree of protection NEMA rating 1.3R, 4X, 12 </td <td>design of handle</td> <td>rotary operating mechanism, red/yellow</td>	design of handle	rotary operating mechanism, red/yellow
number of poles 3 number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage rated value 690 V operating voltage resistance rated value 690 V operating voltage 64V operating frequency rated value 690 V operating requency rated value 690 V operating requency rated value 690 V operating requency rated value 690 V operating otized 60 Hz Protection class IP 1965 gence of protection REMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation 1.8 W operating state per pole 60 Main circuit 32 A	type of the driving mechanism motor drive	No
number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating frequency rated value 100 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation 1.8 W power loss [W] for rated value of the current at AC in hot operating state per pole 1.8 W	General technical data	
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• at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage 690 V • at AC rated value 690 V operating frequency rated value 100 Hz Protection class P protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation 1.8 W Main circuit operational current operational current 32 A	mechanical service life (operating cycles) typical	100 000
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Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage 6 kV • at AC rated value 690 V operating requency rated value 690 V • minimum 50 Hz • maximum 60 Hz Protection class IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation IP65 Dissipation 1.8 W operating state per pole 1.8 W operating state per pole 32 A	operating frequency maximum	50 1/h
insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage 690 V • at AC rated value 690 V operating frequency rated value 690 V • minimum 50 Hz • maximum 60 Hz Protection class IP65 gree 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 Main circuit operating state per pole Main circuit 32 A	degree of pollution	3
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• at AC rated value 690 V operating frequency rated value 50 Hz • 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 1.8 W power loss [W] for rated value of the current at AC in hot operating state per pole 1.8 W Operational current • at AC-21 at 690 V rated value • at AC-21 at 690 V rated value 32 A	surge voltage resistance rated value	6 kV
operating frequency rated value 50 Hz • minimum 50 Hz • maximum 60 Hz Protection class Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation IP65 power loss [W] for rated value of the current at AC in hot operating state per pole 1.8 W Main circuit operational current • at AC-21 at 690 V rated value 32 A	operating voltage	
• minimum50 Hz• maximum60 HzProtection classIP65protection class IPIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65Dissipate per pole1.8 WMain circuit32 A	at AC rated value	690 V
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power loss [W] for rated value of the current at AC in hot operating state per pole 1.8 W Main circuit	protection class IP on the front	IP65
operating state per pole Main circuit operational current • at AC-21 at 690 V rated value 32 A	Dissipation	
operational current 32 A		1.8 W
• at AC-21 at 690 V rated value 32 A	Main circuit	
	operational current	
at AC-21 A at 240 V rated value 32 A	• at AC-21 at 690 V rated value	32 A
	• at AC-21 A at 240 V rated value	32 A
• at AC-21 A at 400 V rated value 32 A	• at AC-21 A at 400 V rated value	32 A
• at AC-21 A at 440 V rated value 32 A	• at AC-21 A at 440 V rated value	32 A
• at AC-23 A at 400 V rated value 22 A	• at AC-23 A at 400 V rated value	22 A

operating power	
at AC-23 A at 240 V rated value	6 kW
• at AC-23 A at 400 V rated value	12 kW
• at AC-23 A at 440 V rated value	11.5 kW
• at AC-23 A at 690 V rated value	12 kW
• at AC-3 at 240 V rated value	5.5 kW
• at AC-3 at 400 V rated value	10 kW
• at AC-3 at 690 V rated value	9.5 kW
Auxiliary circuit	5.5 KW
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
special product feature	Can be locked in zero position
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	4
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	4 8 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
 at 440 V by gG fuse rated value 	10 kA
 at 690 V by gG fuse rated value 	6 kA
let-through current with closed switch	
 at 240 V for combination switch + gG fuse maximum 	4.5 kA
• at 440 V for combination switch + gG fuse maximum	4.5 kA
 at 690 V for combination switch + gG fuse maximum permissible 	5 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	9 kA2.s
• at 440 V for combination switch + gG fuse maximum	9 kA2.s
at 690 V for combination switch + gG fuse maximum	9 kA2.s
design of the fuse link	
 for short-circuit protection of the main circuit required 	fuse gL/gG: 40 A
for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value	32 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	32 A
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	600 V
active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value	20
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	20

Miscellaneous Confirmation Environmental firmations	
Confirmation Image: Confirmation of the sector of the	
General Product Approval	Declaration of Conformity
• maximum	-23 °C
minimum	-25 °C
ambient temperature during storage	
• maximum	55 °C
• minimum	-25 °C
ambient temperature during operation	
Environmental conditions	
net weight	300 g
• rail mounting	Yes
 front mounting with central attachment 	Yes
4-hole front mounting	No
fastening method	
fastening method	Built-in unit fixed-mounted version
type of device	fixed mounting
depth	380 mm
width	36 mm
height	60 mm
lechanical Design	
 for auxiliary contacts 	Box terminals
for main current circuit	box terminal
type of electrical connection	
• stranded	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
type of connectable conductor cross-sections for auxiliary contacts	
• stranded	1x (2.5 to 16 mm ²)
 finely stranded with core end processing 	1x (2.516 mm ²)
conductor • solid	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections for copper	
• minimum	14
AWG number as coded connectable conductor cross section solid • maximum	6
Connections	
type of fuse according to UL	RK5
continuous current of upstream fuse according to UL rated value	50 A

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).

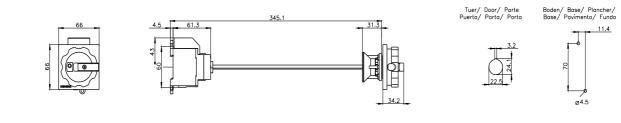
Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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