SIEMENS

Data sheet 3LD2714-0TK5

SENTRON, Switch disconnector 3LD, mai
power / at AC-23 A at 400 V: 37 kW, f
operating mechanism, black, 4-hole mo

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch pos operation	1 ON - 0 OFF
type of switch	Floor mounting with door coupling
design of the actuating elemer	Short rotary knob
color of the actuating element	black
design of handle	rotary operating mechanism, black
type of the driving mechanism	No
General technical data	
number of poles	3
size of switch disconnector	4
mechanical service life (opera	100 000
electrical endurance (operatir	
ŏ 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	6 kV
operating voltage	
ŏ at AC rated value	690 V
operating frequency rated valu	
ŏ minimum	50 Hz
ŏ maximum	60 Hz
Protection class	
protection class IP	IP65
degree of protection NEMA rati	1, 3R, 4X, 12
protection class IP on the fro	IP65
Dissipation	
power loss [W] for rated value operating state per pole	7.5 W
Main circuit	
operational current	
ŏ at AC-21 at 690 V rated va	100 A
ŏ at AC-21 A at 240 V rated	100 A
ŏ at AC-21 A at 400 V rated	100 A
ŏ at AC-21 A at 440 V rated	100 A

	70 A

ő at AC-3 at 400 V rated val	30 kW
ő at AC-3 at 690 V rated val	22 kW

Auxiliary circuit

number of CO contacts for auxi	0
number of NC contacts for auxi	0
number of NO contacts for auxi	0
operating voltage of auxiliary	500 V
continuous current of the auxi	10 A
insulation voltage of the auxi	500 V

Suitability

suitability for use main switc	Yes
suitability for use switch dis	Yes
suitability for use maintenanc	Yes

Product details

product feature can be locked	Yes

accessories

product extension optional	
ő motor drive	No
ő voltage trigger	No
number of connectable NC conta attachable maximum	3
number of connectable NO conta attachable maximum	5
number of connectable CO conta attachable maximum	0
number of bracket locks maxim	3
hasp thickness of the bracket	4 ... 8 mm

Short circuit

conditional short-circuit curr	
protection	

Additional product characteristics

let-th	
ő at 240 V for combination s	64 kA2
ő at 440 V for combination s	64 kA2
ő at 690 V for combination s	64 kA2

Terminal capacities

ő for short-circuit protecti	fuse g
ő fo	

operating current at AC-1	70 A

according UL

operational current at AC acc rated value	100 A
operating voltage at AC at 50/ 60947-4-1 rated value	600 V

Switching capacity

active power [Pp] at AC at 60 60947-4-1 rated value	75 PP
short-time withstand current	10 kA

Operating characteristics

operating power at AC-3 at 400	30 kW
operating power at AC-3 at 690	22 kW

Auxiliary circuit

number of CO contacts for auxi	0
number of NC contacts for auxi	0
number of NO contacts for auxi	0
operating voltage of auxiliary	500 V
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hasp thickness of the bracket	4 ... 8 mm

Short circuit

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Additional product characteristics

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according UL

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operating power at AC-3 at 690	22 kW

Auxiliary circuit

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Additional product characteristics

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Terminal capacities

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ő fo	

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according UL

operational current at AC acc rated value	100 A
operating voltage at AC at 50/ 60947-4-1 rated value	600 V

Switching capacity

active power [Pp] at AC at 60 60947-4-1 rated value	75 PP
short-time withstand current	10 kA

UL 508/UL 60947-4-1	
continuous current of upstrean value	200 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectabl section solid maximum	
ŏ	1
ŏ	12
type of connectable conductor conductor	
ŏ solid	1x (4...50mm²)
ŏ finely stranded with core	1x (4...35mm²)
ŏ stranded	1x (4...50mm²)
type of connectable conductor contacts	
ŏ solid	lateral auxiliary switch 2x (0,75 .. (0,75 ... 2,5mm²)
ŏ finely stranded with core	lateral auxiliary switch 2x (0,75 .. 2,5mm²
ŏ stranded	lateral auxiliary switch 2x (0,75 .. (0,75 ... 2,5mm²)
type of electrical connection	
ŏ for main current circuit	box terminal
ŏ for auxiliary contacts	connection terminals
Mechanical Design	
height	106 mm
width	90 mm
depth	470.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
ŏ 4-hole front mounting	Yes
ŏ front mounting with centra	No
ŏ rail mounting	Yes
net weight	769 g
Environmental conditions	
ambient temperature during ope	
ŏ minimum	-25 ÁC
ŏ maximum	55 ÁC
ambient temperature during sto	
ŏ minimum	-25 ÁC
ŏ maximum	55 ÁC
Approvals Certificates	
General Product Approval	

Miscellaneous

General Product Approval	Marine / Shipping	other	Environmen

Miscellaneous Confirmation Environmental Confirmations

Environment

Environmental Con-

firmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,é)
http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2714
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3LD2714-0TK51
Image database (product images, 2D dimension drawings, 3D models, device
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2714-0TK51
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications