



SETRON, Switch disconnecter 3LD, main switch, 3-pole, Iu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, molded-plastic encapsulation for inch cable gland, 1 NC, 1 NO, rotary operating mechanism, black

Model	
product brand name	SETRON
product designation	3LD Switch disconnecter
design of the product	Main switch
display version / for switch position indicator manual operation	1 ON - 0 OFF
design of the actuating element	Short rotary knob
design of handle	rotary operating mechanism, black
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
number of poles / note	PE
type of device	fixed mounting
type of switch	Molded-plastic enclosure for inch threaded joint
size of switch disconnecter	3
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
I _{2t} value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	21 kA ² .s
let-through I _{2t} value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	21 kA ² .s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
operational current / at AC / rated value	63 A
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 operating state / per pole	4.5 W
• per conductor / typical	4.5 W
Current	
operational current	

• at AC-23 A / at 400 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 440 V / rated value	43 A 63 A 63 A 63 A
operational current / of upstream fuse / rated value	63 A
let-through current / with closed switch	
• at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible	6 kA 6 kA
Main circuit	
operating power	
• at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 690 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value	11 kW 22 kW 22 kW 18.5 kW 11 kW 18.5 kW 15 kW
operational current / rated value	63 A
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
insulation voltage / of the auxiliary switch / rated value	500 V
Suitability	
suitability for use	
• main switch • switch disconnect • EMERGENCY OFF switch • safety switch • maintenance/repair switch	Yes Yes No Yes Yes
Appearance	
color / of the actuating element	black
Product details	
• product function / can be locked into OFF position	Yes
number of bracket locks / maximum	3
hasp thickness / of the bracket locks / minimum	4 mm
hasp thickness / of the bracket locks / maximum	8 mm
product extension / optional	
• motor drive • voltage trigger	No No
Short circuit	
conditional short-circuit current / with line-side fuse protection	
• at 690 V / by gG fuse / rated value	50 kA
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	63 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	40
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	50
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA

continuous current / of upstream fuse / according to UL / rated value	175 A
type of fuse / according to UL	RK5
Number	
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
Connections	
AWG number / as coded connectable conductor cross section / solid • maximum • minimum	6 14
type of connectable conductor cross-sections / for copper conductor • solid • finely stranded / with core end processing • stranded	1x (2,5...35mm²) 1x (2.5...16 mm²) 1x (2,5...35mm²)
type of connectable conductor cross-sections / for auxiliary contacts • solid • finely stranded / with core end processing • stranded	lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 ... 2,5mm²) lateral auxiliary switch 2x (0,75 ... 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm² 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 • for auxiliary contacts	box terminal connection terminals
Requirements	
design of the fuse link • for short-circuit protection of the main circuit / required • for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 63 A fuse gL/gG: 10 A
Mechanical Design	
height	201 mm
width	146 mm
depth	149 mm
fastening method	Complete unit in enclosure
fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting	No Yes No
net weight	960 g
Environmental conditions	
ambient temperature / during operation • minimum • maximum	-25 °C 55 °C
ambient temperature / during storage / minimum	-25 °C
Certificates	
reference code • acc. to DIN EN 61346-2 • acc. to IEC 81346-2	S SF
General Product Approval	



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping	other
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EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)



LRS

[Environmental Confirmations](#)

Further information

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=3LD2565-1GP51-0US2>

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

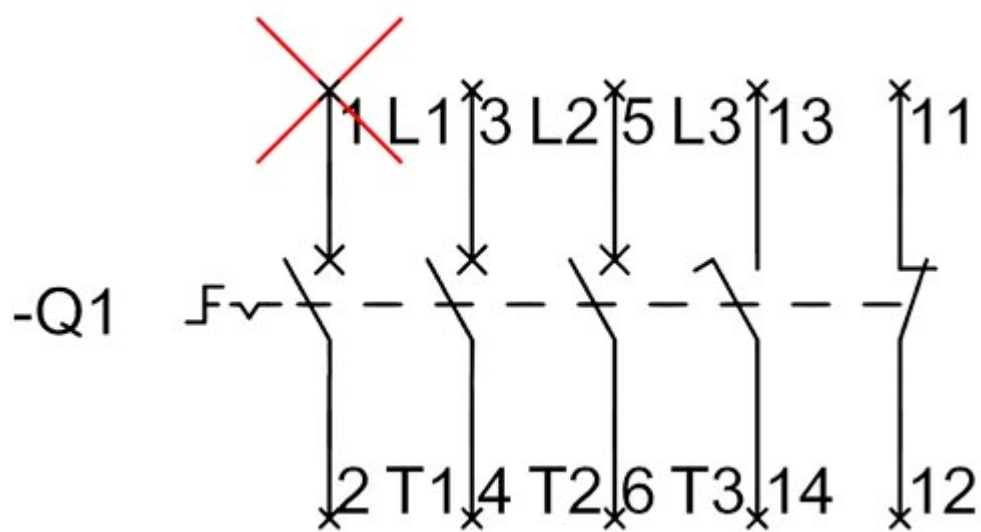
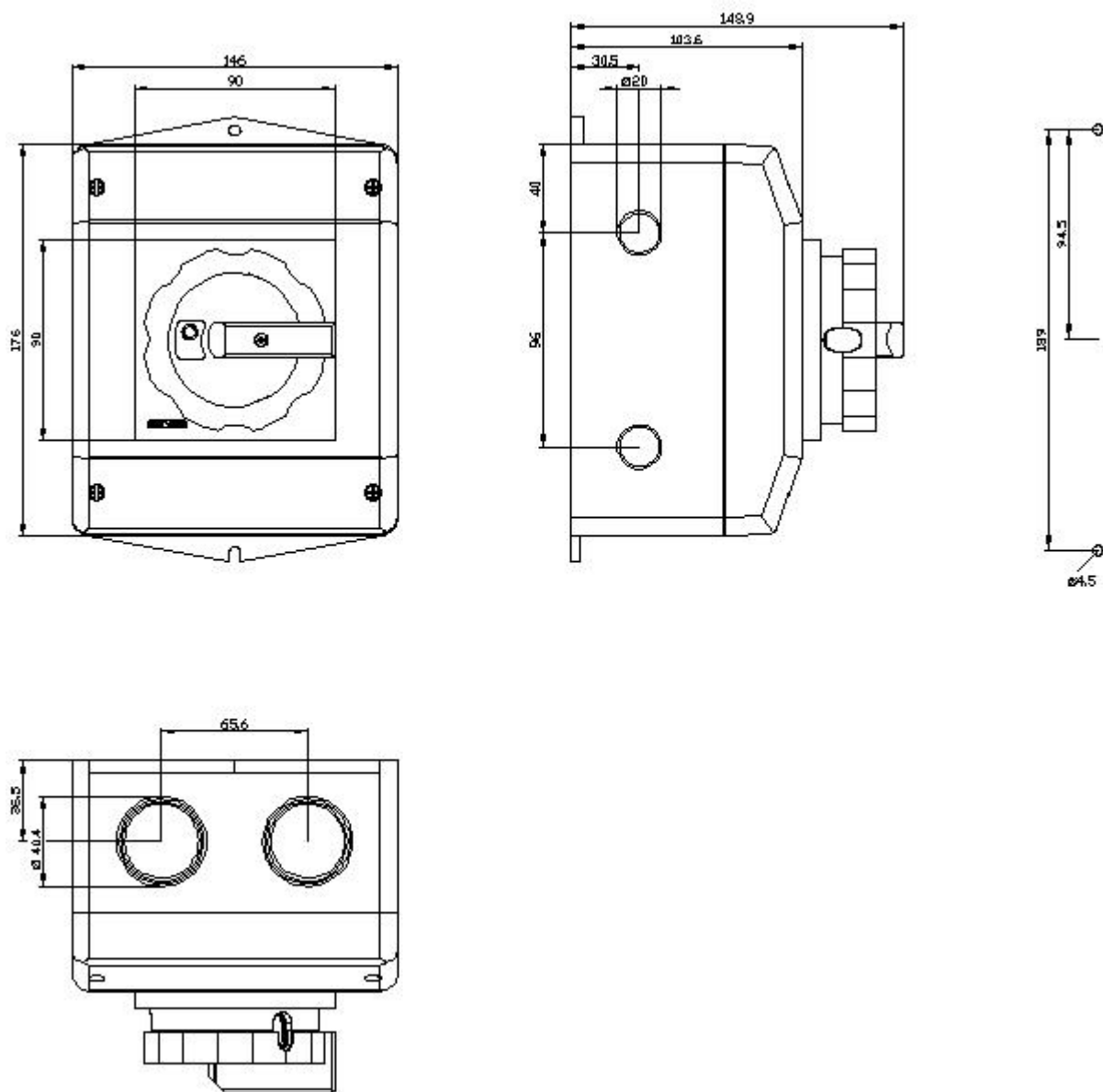
<https://support.industry.siemens.com/cs/ww/en/ps/3LD2565-1GP51-0US2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2565-1GP51-0US2

Tender specifications

<http://www.siemens.com/specifications>



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