## **SIEMENS**

Data sheet 3LD2566-4VD51



SENTRON, Switch disconnector 3LD, main switch, 6-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, molded-plastic encapsulation for metric screw connection, 1 NC, 1 NO, rotary operating mechanism, black

product brand name   SENTRON	Model	
design of the product display version for switch position indicator manual operation 1 ON - 0 OFF 1 ype of switch Moldet-plastic enclosure for metric threaded joint design of the actuating element black color of the actuating element black rotary operating mechanism, black ype of the driving mechanism motor drive No  General technical data number of poles note size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles)  • at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution Voltage insulation voltage rated value operating frequency rated value • minimum • maximum  Protection class IP degree of protection NEMA rating protection class IP on the front possiblation power loss [W] for rated value of the current at AC in hot operating siste per pole Main circuit  • at AC-21 at 690 V rated value  • at AC-21 at 240 V rated value  • at AC-21 at 4400 V rated value	product brand name	SENTRON
display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element black design of handle type of the driving mechanism motor drive No  Coneral technical data number of poles number of poles note size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles)  • at AC-23 A at 690 V  operating frequency maximum 50 Hz  • at AC rated value  • minimum • of the contection  Dissipation  Dissipation  Dissipation  Main circuit  operational current • at AC-21 A at 240 V rated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 240 V vated value • at AC-21 A at 400 V vated value	product designation	Switch disconnector
type of switch  design of the actuating element  Short rotary knob  color of the actuating element  design of handle  type of the driving mechanism motor drive  No  Ceneral technical data  number of poles  number of poles  size of switch disconnector  electrical endurance (operating cycles) typical  electrical endurance (operating cycles)  • at AC-23 A at 690 V  operating frequency maximum  degree of pollution  3  Voltage  insulation voltage rated value  • at AC rated value  • minimum  • maximum  Protection class IP  degree of protection NEMA rating  protection class IP  flees  degree of protection NEMA rating  protection class IP of the front  power loss [W] for rated value  operating state per pole  Main circuit  • at AC-21 at 890 V rated value  • at AC-21 at 840 V rated value	design of the product	Main switch
design of the actuating element black color of the actuating element black design of handle rotary operating mechanism, black type of the driving mechanism motor drive No General technical data number of poles 6 6 number of poles note PE + N size of switch disconnector 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) value of electrical endurance (operating cycles) value 600 V operating frequency maximum 50 1/h degree of pollution 3 Voltage linsulation voltage rated value 690 V operating voltage value 690 V operating voltage value 690 V operating frequency rated value 690 V operating fr	display version for switch position indicator manual operation	1 ON - 0 OFF
color of the actuating element design of handle rotary operating mechanism, black type of the driving mechanism motor drive No Seneral technical data  number of poles  6	type of switch	Molded-plastic enclosure for metric threaded joint
design of handle rotary operating mechanism, black type of the driving mechanism motor drive  Ceneral technical data  number of poles 6 number of poles 9 number of poles 10 number of p	design of the actuating element	Short rotary knob
type of the driving mechanism motor drive  General technical data  number of poles 6  size of switch disconnector 3  mechanical service life (operating cycles) typical 100 000  electrical endurance (operating cycles) 4  • at AC-21 at 690 V 6  • operating frequency maximum 50 1/h  • surge voltage resistance rated value 690 V  operating voltage rated value 690 V  operating voltage rated value 690 V  operating frequency maximum 50 1/h  degree of pollution 3  Voltage  • at AC rated value 690 V  operating voltage rated value 690 V  operating voltage rated value 690 V  operating voltage rated value 690 V  operating frequency rated value 690 Hz  Protection class IP  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  Main circuit  operational current  • at AC-21 A at 240 V rated value 63 A  • at AC-21 A at 240 V rated value 63 A  • at AC-21 A at 240 V rated value 63 A	color of the actuating element	black
General technical data  number of poles  number of poles note  size of switch disconnector  mechanical service life (operating cycles) typical electrical endurance (operating cycles)  • at AC-21 A at 690 V  operating frequency maximum  degree of pollution  3  Voltage  insulation voltage rated value  operating voltage  • at AC atted value  omaximum  60 Hz  Protection class IP  degree of protection NEMA rating protection class IP on the front  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  operational current  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value	design of handle	rotary operating mechanism, black
number of poles         6           number of poles note         PE + N           size of switch disconnector         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           insulation voltage rated value         690 V           surge voltage resistance rated value         6 kV           operating frequency rated value         690 V           operating frequency rated value         690 V           operating frequency rated value         600 Hz           Protection class         Protection class IP           protection class IP on the front         IP65           Dissipation         IP65           Dissipation         4.5 W           operating state per pole         Main circuit           operational current         63 A           • at AC-21 A at 240 V rated value         63 A           • at AC-21 A at 400 V rated value         63 A           • at AC-21 A at 400 V rated value         63 A	type of the driving mechanism motor drive	No
number of poles note PE + N size of switch disconnector 3 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 690 V operating voltage resistance rated value 690 V operating requency rated value 690 V operating requency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V  operating frequency rated value 690 V  operating frequency rated value 690 V  operating frequency rated value 100 Hz  Protection class  protection class IP IP65 degree of protection NEMA rating 1, 4X, 12 protection class IP IP65  obsignation  operating state per pole  Main circuit  operating state per pole  Main circuit  operational current • at AC-21 at 690 V rated value 63 A • at AC-21 A at 240 V rated value 63 A • at AC-21 A at 240 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	General technical data	
Size of switch disconnector   3	number of poles	6
mechanical service life (operating cycles) typical  electrical endurance (operating cycles)  • at AC-23 A at 690 V  operating frequency maximum  50 1/h  degree of pollution  3  Voltage  insulation voltage rated value  690 V  surge voltage resistance rated value  690 V  operating voltage  • at AC rated value  690 V  operating frequency rated value  • minimum  50 Hz  • maximum  60 Hz  Protection class IP  degree of protection NEMA rating  1, 4X, 12  protection class IP on the front  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  • at AC-21 at 690 V rated value  • at AC-21 at 240 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value	number of poles note	PE + N
electrical endurance (operating cycles)  • at AC-23 A at 690 V  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  690 V  operating frequency rated value  • minimum  60 Hz  Protection class  protection class IP  degree of protection NEMA rating  1, 4X, 12  protection class IP on the front  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  • at AC-21 at 690 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value	size of switch disconnector	3
at AC-23 A at 690 V 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 690 V operating frequency rated value 600 Hz  Protection class  protection class IP degree of protection NEMA rating 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 operational current at AC-21 at 690 V rated value 63 A at AC-21 A at 240 V rated value 63 A at AC-21 A at 440 V rated value 63 A at AC-21 A at 400 V rated value 63 A	mechanical service life (operating cycles) typical	100 000
operating frequency maximum degree of pollution 3  Voltage  insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating voltage • at AC rated value 690 V  operating frequency rated value • minimum • maximum 50 Hz • maximum 50 Hz  Protection class  protection class IP degree of protection NEMA rating 1, 4X, 12 protection class IP on the front Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value 63 A • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	electrical endurance (operating cycles)	
degree of pollution 3  Voltage  insulation voltage rated value 690 V  surge voltage resistance rated value 680 V  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 operating state per pole  Main circuit  operational current  • at AC-21 at 690 V rated value  • at AC-21 at 420 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 440 V rated value	• at AC-23 A at 690 V	6 000
insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating voltage • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 50 Hz  Protection class  protection class IP 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  Main circuit  operational current • at AC-21 at 690 V rated value 63 A • at AC-21 A at 240 V rated value 63 A • at AC-21 A at 240 V rated value 63 A • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	operating frequency maximum	50 1/h
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 800 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 operating state per pole  Main circuit  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value	degree of pollution	3
surge voltage resistance rated value operating voltage out at AC rated value operating frequency rated value operating frequency rated value out minimum out maximum out maxim	Voltage	
operating voltage  • at AC rated value  operating frequency rated value  • minimum  • maximum  foot Hz  Protection class  protection class IP  degree of protection NEMA rating  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  operational current  • at AC-21 at 690 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value	insulation voltage rated value	690 V
at AC rated value     operating frequency rated value     minimum	surge voltage resistance rated value	6 kV
operating frequency rated value  • minimum  • maximum  50 Hz  60 Hz  Protection class  protection class IP  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  Main circuit  operational current  • at AC-21 at 690 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value  • at AC-21 A at 400 V rated value	operating voltage	
<ul> <li>minimum</li> <li>maximum</li> <li>60 Hz</li> </ul> Protection class protection class IP <ul> <li>degree of protection NEMA rating</li> <li>protection class IP on the front</li> <li>IP65</li> </ul> Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit <ul> <li>operational current</li> <li>at AC-21 at 690 V rated value</li> <li>at AC-21 A at 240 V rated value</li> <li>at AC-21 A at 400 V rated value</li> </ul>	at AC rated value	690 V
● maximum  Protection class  protection class IP  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  Main circuit  operational current  ● at AC-21 at 690 V rated value  ● at AC-21 A at 240 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value  ● at AC-21 A at 400 V rated value	operating frequency rated value	
protection class IP  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  Main circuit  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value	• minimum	50 Hz
protection class IP  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  Main circuit  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	• maximum	60 Hz
degree of protection NEMA rating  1, 4X, 12  protection class IP on the front  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	Protection class	
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  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	protection class IP	IP65
power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	degree of protection NEMA rating	1, 4X, 12
power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  operational current  • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 63 A • at AC-21 A at 400 V rated value 63 A	protection class IP on the front	IP65
operating state per pole  Main circuit  operational current  • at AC-21 at 690 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value  63 A  • at AC-21 A at 400 V rated value  63 A	Dissipation	
operational current  • at AC-21 at 690 V rated value  • at AC-21 A at 240 V rated value  • at AC-21 A at 400 V rated value  63 A  • at AC-21 A at 400 V rated value  63 A		4.5 W
<ul> <li>at AC-21 at 690 V rated value</li> <li>at AC-21 A at 240 V rated value</li> <li>at AC-21 A at 400 V rated value</li> <li>63 A</li> <li>63 A</li> </ul>	Main circuit	
<ul> <li>at AC-21 A at 240 V rated value</li> <li>at AC-21 A at 400 V rated value</li> <li>63 A</li> <li>63 A</li> </ul>	operational current	
at AC-21 A at 400 V rated value     63 A	• at AC-21 at 690 V rated value	63 A
	• at AC-21 A at 240 V rated value	63 A
at AC-21 A at 440 V rated value     63 A	• at AC-21 A at 400 V rated value	63 A
	• at AC-21 A at 440 V rated value	63 A

• at AC-23 A at 400 V rated value	43 A
operating power	
at AC-23 A at 240 V rated value     ■	11 kW
at AC-23 A at 240 V rated value      at AC-23 A at 400 V rated value	22 kW
at AC-23 A at 400 V rated value      at AC-23 A at 440 V rated value	22 kW
• at AC-23 A at 690 V rated value	19 kW
at AC-25 A at 690 V rated value     at AC-3 at 240 V rated value	11 kW
at AC-3 at 400 V rated value      at AC-3 at 400 V rated value	19 kW
at AC-3 at 400 V rated value     at AC-3 at 690 V rated value	15 kW
Auxiliary circuit	15 KVV
	0
number of NC contacts for auxiliary contacts	
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	Vac
• main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	No .
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	6 kA
• at 440 V for combination switch + gG fuse maximum	6 kA
at 690 V for combination switch + gG fuse maximum permissible	6 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	21 kA2.s
• at 440 V for combination switch + gG fuse maximum	21 kA2.s
at 690 V for combination switch + gG fuse maximum	21 kA2.s
design of the fuse link	
• for short-circuit protection of the main circuit required	fuse gL/gG: 63 A
for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value	63 A
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
4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	50

• finely stranded with core end processing lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 2,5mm²	508/UL 60947-4-1	
AWG number as coded connectable conductor cross section solid  • maximum  • minimum  14  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 contacts  • solid  1x (2,535mm²)  1	continuous current of upstream fuse according to UL rated value	175 A
AWG number as coded connectable conductor cross section solid  • maximum  • minimum  14  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 contacts  • solid  • finely stranded type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  • stranded tax (2,535mm²)    lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded tax auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)	type of fuse according to UL	RK5
solid  • maximum  • minimum  14  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 contacts  • solid  • finely stranded with core end processing on the finely stranded on the finel	Connections	
<ul> <li>minimum</li> <li>type of connectable conductor cross-sections for copper conductor</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for auxiliary contacts</li> <li>solid</li> <li>finely stranded with core end processing on the finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>stranded</li> <li>lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)</li> <li>lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 2,5mm²</li> <li>stranded</li> <li>lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary contacts</li> <li>Mechanical Design</li> </ul>		
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 contacts  • solid  • finely stranded with core end processing  • finely stranded with core end processing  • stranded  • strand	maximum	6
conductor  • solid  • finely stranded with core end processing  • stranded  type of connectable conductor cross-sections for auxiliary contacts  • solid  • solid  • finely stranded with core end processing on auxiliary contacts  • solid  • finely stranded with core end processing  • finely stranded with core end processing  • stranded  • stranded  • stranded  • stranded  • stranded  • stranded  • for main current circuit  • for auxiliary contacts   • solid    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 (0,75 2,5mm²)    type of electrical connection   • for main current circuit   • for auxiliary contacts    box terminal   connection terminals    Mechanical Design	• minimum	14
<ul> <li>finely stranded with core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for auxiliary contacts</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>stranded</li> <li>lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)</li> <li>lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 2,5mm²</li> <li>stranded</li> <li>lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary contacts</li> <li>Mechanical Design</li> </ul>	· · · · · · · · · · · · · · · · · · ·	
<ul> <li>stranded</li> <li>type of connectable conductor cross-sections for auxiliary contacts</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>stranded</li> <li>stranded with core end processing</li> <li>lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)</li> <li>stranded</li> <li>lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x (0,75 2,5mm²)</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary contacts</li> <li>Mechanical Design</li> </ul>	• solid	1x (2,535mm²)
type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  • stranded  • stranded  • for main current circuit  • for auxiliary contacts  • solid    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 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   box terminal     for auxiliary contacts   connection terminals    Mechanical Design	<ul> <li>finely stranded with core end processing</li> </ul>	1x (2.516 mm²)
contacts  • solid  • solid  • finely stranded with core end processing  • stranded  • stranded  • for main current circuit  • for auxiliary contacts  • solid  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 2z,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 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 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 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 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 switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)	stranded	1x (2,535mm²)
(0,75 2,5mm²)      Iateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 2,5mm²      stranded      stranded      ideral 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      Mechanical Design		
estranded	• solid	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 box terminal  • for auxiliary contacts connection terminals  Mechanical Design	finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• for main current circuit     • for auxiliary contacts  Mechanical Design  box terminal  connection terminals	• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
for auxiliary contacts     connection terminals  Mechanical Design	type of electrical connection	
Mechanical Design	• for main current circuit	box terminal
	<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
height 302 mm	Mechanical Design	
	height	302 mm
width 212 mm	width	212 mm
depth 181 mm	depth	181 mm
type of device fixed mounting	type of device	fixed mounting
fastening method Complete unit in enclosure	fastening method	Complete unit in enclosure
fastening method	fastening method	
• 4-hole front mounting No	<ul> <li>4-hole front mounting</li> </ul>	No
• front mounting with central attachment  Yes	<ul> <li>front mounting with central attachment</li> </ul>	Yes
• rail mounting No	rail mounting	No
net weight 2 164 g	net weight	2 164 g
Environmental conditions	Environmental conditions	
ambient temperature during operation	ambient temperature during operation	
• minimum -25 °C	• minimum	-25 °C
• maximum 55 °C	• maximum	55 °C
ambient temperature during storage	ambient temperature during storage	
• minimum -25 °C	• minimum	-25 °C
• maximum 55 °C	• maximum	55 °C
General Product Approval	General Product Approval	



Confirmation







Miscellaneous

General Product Approval

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



**( E** 



Miscellaneous

Special Test Certificate



other

Environment

Miscellaneous

Confirmation

Environmental Confirmations

## Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2566-4VD51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2566-4VD51

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

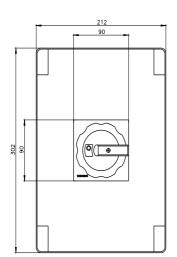
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2566-4VD51

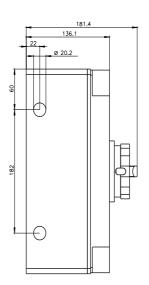
CAx-Online-Generator

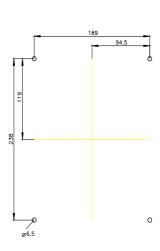
http://www.siemens.com/cax

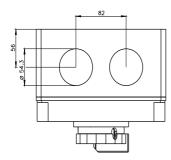
**Tender specifications** 

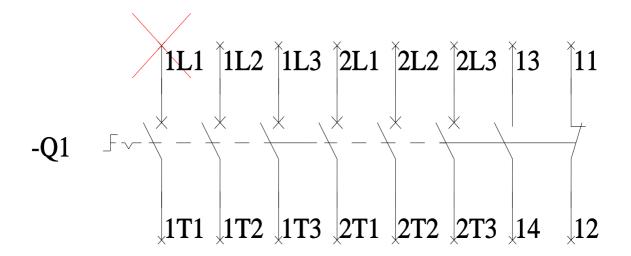
http://www.siemens.com/specifications

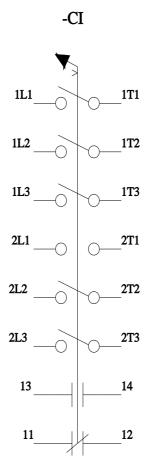












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