SIEMENS

Product data sheet 3LD2566-3VB51



MAIN SWITCH 6-POLE IU=63, P/AC-23A AT 400V=22KW 2 N-TERMINAL MOULDED-PLASTIC ENCLOSURED, IP65

Similar to image

General technical details:				
product brand name		SENTRON		
product designation		main and EMERGENCY-OFF switches		
Type from device		fixed mounting		
Design of the operating mechanism		rotary actuator, black		
Protection class IP		IP65		
Number of poles		6		
Acceptability for application				
• switch disconnector		Yes		
• main switch		Yes		
safety cut-out switch		Yes		
emergency stop switch		No		
maintenance/repair switch		Yes		
Product equipment / interlock		Yes		
Type of the driving mechanism / motor drive		No		
Product extension / optional				
• motor drive		No		
voltage trigger		No		
Ambient temperature / during operating	°C	-25 +55		

Impulse voltage resistance / rated value Active power loss / per conductor / typical Mechanical operating cycles as operating time / of the main contacts / typical Protection against electrical shock Item designation / according to DIN 40719 extendable after IEC 204-2 / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value Operating current / at AC-21 / rated value A 63 Short-time current resistance (lev) / at 690 V / limited to 1 s / actording voltage / at 50/60 Hz / for AC / rated value Operating voltage / at 50/60 Hz / for AC / rated value Fervice power / at AC-3 - at 400 V / rated value - at 690 V / rate	Insulation voltage / rated value	V	690
Mechanical operating cycles as operating time / of the main contacts / typical Protection against electrical shock Item designation / according to DIN EN 61345-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 63 Operating current / at AC-21 / rated value A 63 Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating requency A 1,260 Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 - at 400 V / rated value A 22 - at 400 V / rated value A 363 Service power / at AC-33 - at 400 V / rated value A 4 690 V rated value A 590 V / rated value A 590 V / rated value A 590 V / rated value A 690 V rated value A 690	Impulse voltage resistance / rated value	V	6,000
contacts / typical Protection against electrical shock Item designation / according to DIN 801346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 730 Main circuit: Continuous current / rated value A 63 Operating current / at AC-21 / rated value A 63 Short-time current resistance (icw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 5060 Hz / for AC / rated value V 690 Service power / at AC-3 - at 400 V / rated value - at 690 V / rated value - a	Active power loss / per conductor / typical	W	4.5
Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value Operating current / at AC-21 / rated value A 63 Operating current resistance (lcw) / at 690 V / limited to 1 s / acted value Operating frequency Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 - at 400 V / rated value - at 690 V /			100,000
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Main circuit: Continuous current / rated value A 63 Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value Service power / at AC-23 A • at 400 V / rated value • at 690 V / rated value • at 690 V / rated value NW 15 Operating cycles / maximum I/h 50 Auxillary circuit: Number of NC contacts / for auxillary contacts Number of NO contacts / for auxillary contacts Operating voltage / of the auxillary contact / rated value A 10 Operating voltage / of the auxillary contact / rated value A 10 Operating voltage / of the auxillary contact / rated value Number of change-over switches / for auxillary contacts Operating voltage / of the auxillary contact / rated value A 10 Operating voltage / of the auxillary contact / rated value Number of change-over switches / for auxillary contact / rated value Operating voltage / of the auxillary contact / rated value Operating voltage / of the auxillary contact / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxillary switch / required Installation/mounting/dimensions: Type of mounting	Protection against electrical shock		finger-safe
Main circuit: Continuous current / rated value A 63 Operating current / at AC-21 / rated value A 63 Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value • by 18.5 Operating cycles / maximum Auxiliary circuit: Number of NC contacts / for auxiliary contacts • O Number of NC contacts / for auxiliary contacts • O Operating voltage / of the auxiliary contact / rated value Operating voltage / of the auxiliary contact / rated value Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting	Item designation / according to DIN EN 61346-2		S
Continuous current / rated value Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V or / rated value • at 690 V or / rated value • at 690 V rated value • at 690 V rated value • bkW 18.5 Operating cycles / maximum 1/h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O continuous current / of the auxiliary contacts Operating voltage / of the auxiliary contact / rated value Operating voltage / of the auxiliary contact / rated value Operating voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting			S
Operating current / at AC-21 / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating requency Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 • at 400 V / rated value • at 690 V / rated value • bkW 18.5 Operating cycles / maximum 1/h 50 Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of the auxiliary contact / rated value Operating voltage / of the auxiliary contact / rated value Operating voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting Installation/mounting/dimensions: Type of mounting	Main circuit:		
Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Operating frequency Operating voltage / at 50/60 Hz / for AC / rated value V 690 Service power / at AC-3 * at 400 V / rated value * at 690 V / rated value Operating cycles / maximum * at 700 V / rated value Operating voltact / for auxiliary contacts O * Auxiliary circuit: Number of NO contacts / for auxiliary contacts O Operating voltage / of the auxiliary contact / rated value Operating voltage / of the auxiliary contact / for AC / maximum V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting ### 12.50 ### 250 ### 18.5 ### 26 ### 18.5	Continuous current / rated value	А	63
rated value Operating frequency Operating voltage / at 50/50 Hz / for AC / rated value V 690 Service power / at AC-3 * at 400 V / rated value * at 690 V / rated value * by 7 rated value * contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Ocontinuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contact / for AC / maximum V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting ### Type of mounting	Operating current / at AC-21 / rated value	А	63
Operating voltage / at 50/60 Hz / for AC / rated value Service power / at AC-3 * at 400 V / rated value * at 690 V / rated value * Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Ocontinuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contact / for AC / maximum Insulation voltage / of the auxiliary switch / rated value Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / recessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting ### 18.5 ### 22 ### 25 ### 25 ### 25 ### 25 ### 25 ### 26		А	1,260
Service power / at AC-3 * at 400 V / rated value * at 690 V / rated value * at 700 V / rated	Operating frequency	Hz	50 60
* at 400 V / rated value * at 690 V / rated value Service power / at AC-23 A * at 400 V / rated value * at 690 V / rated value * A	Operating voltage / at 50/60 Hz / for AC / rated value	V	690
* at 690 V / rated value Service power / at AC-23 A * at 400 V / rated value * at 690 V / rated value * by 18.5 Operating cycles / maximum * bo Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts O Number of NO contacts / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting floor mo	Service power / at AC-3		
Service power / at AC-23 A • at 400 V / rated value • at 690 V / rated value Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Insulation voltage / of the auxiliary switch / rated value Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting #W 22 **W 25 **EW 26 **EW 2	• at 400 V / rated value	kW	18.5
* at 400 V / rated value * at 690 V / rated value Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Number of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting f	• at 690 V / rated value	kW	15
* at 690 V / rated value	Service power / at AC-23 A		
Operating cycles / maximum Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Insulation voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting	• at 400 V / rated value	kW	22
Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts 0 Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value A 10 Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Insulation voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting	• at 690 V / rated value	kW	18.5
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Insulation voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting	Operating cycles / maximum	1/h	50
Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Insulation voltage / of the auxiliary switch / rated value Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting	Auxiliary circuit:		
Number of change-over switches / for auxiliary contacts Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Insulation voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting	Number of NC contacts / for auxiliary contacts		0
Continuous current / of the auxiliary contact / rated value Operating voltage / of the auxiliary contacts / for AC / maximum Insulation voltage / of the auxiliary switch / rated value Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting 10 10 10 10 10 10 10 10 10 1	Number of NO contacts / for auxiliary contacts		0
Operating voltage / of the auxiliary contacts / for AC / maximum V 500 Insulation voltage / of the auxiliary switch / rated value V 500 Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting for AC / maximum V 500 Insulation / fuse gL/gG: 63 A fuse gL/gG: 10 A Installation/mounting/dimensions:	Number of change-over switches / for auxiliary contacts		0
Insulation voltage / of the auxiliary switch / rated value Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting Type of mounting Type of mounting	Continuous current / of the auxiliary contact / rated value	Α	10
Short-circuit: Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting fuse gL/gG: 63 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A Installation/mounting/dimensions:	Operating voltage / of the auxiliary contacts / for AC / maximum	V	500
Design of the fuse link / for short-circuit protection of the main circuit / necessary Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting fuse gL/gG: 63 A fuse gL/gG: 10 A	Insulation voltage / of the auxiliary switch / rated value	V	500
Design of the fuse link / for short-circuit protection of the auxiliary switch / required Installation/mounting/dimensions: Type of mounting floor mounting floor mounting	Short-circuit:		
Installation/mounting/dimensions: Type of mounting floor mounting			fuse gL/gG: 63 A
Type of mounting floor mounting			fuse gL/gG: 10 A
	Installation/mounting/dimensions:		
• front mounting No	Type of mounting		floor mounting
	• front mounting		No
• front mounting with central fixation No	• front mounting with central fixation		No

	No
	No
	No
mm	212
mm	302
mm	181
	mm

Connection type:	
Design of the electrical connection / for main current circuit	connection terminals
Design of the electrical connection / for auxiliary contact	connection terminals
Type of the connectable conductor cross-section / for main contacts	
• solid	2.5 35 mm2
finely stranded / with conductor end processing	16 mm²
• stranded	2.5 35 mm2
Type of connectable conductor cross section / for auxiliary contacts	
• solid	2x (0.75 to 2.5 mm2), 1x 4 mm2
• stranded	2x (0.75 2.5 mm2), 1x 4 mm2

Certificates/approvals:		
Verification of suitability		CSA / UL / CCC
Conductor cross section that can be connected / for main contacts / solid / minimum	mm²	2.5
Conductor cross section that can be connected / for main contacts / solid / maximum	mm²	35
Conductor cross section that can be connected / for main contacts / stranded / minimum	mm²	2.5
Conductor cross section that can be connected / for main contacts / stranded / maximum	mm²	35
Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum	mm²	16
Conductor cross section that can be connected / for auxiliary contacts / solid / minimum	mm²	0.75
Conductor cross section that can be connected / for auxiliary contacts / solid / maximum	mm²	4
Conductor cross-section that can be connected / for auxiliary contact / stranded wire / with conductor end processing / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / stranded wire / with conductor end processing / maximum	mm²	2.5
Conductor cross section that can be connected / for auxiliary contacts / stranded / min.	mm²	0.75

Conductor cross section that can be connected / for auxiliary contacts / stranded / max.

mm²

4

Certificates/approvals:

General Product Approval









other

Test Certificates

Special Test Certificate

Shipping Approval





GL



Declaration of Conformity



Further information:

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

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

Industry Mall (Online ordering system)

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

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

http://support.automation.siemens.com/WW/view/en/3LD2566-3VB51/all

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

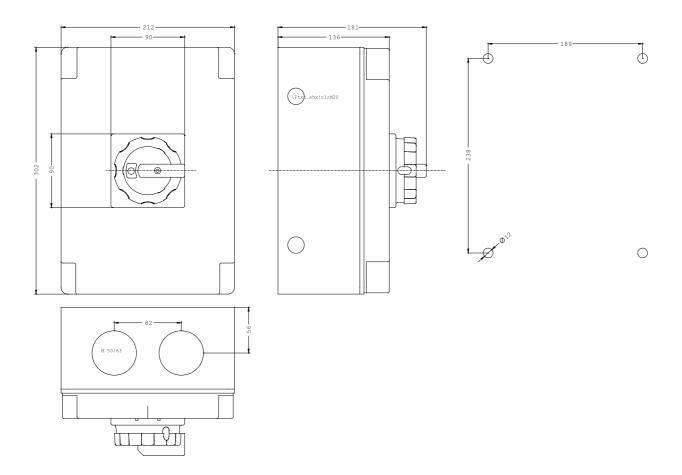
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2566-3VB51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT



last change: Apr 9, 2012