# **SIEMENS**

Product data sheet 3LD2566-3VB53



MAIN/EMERG. STOP SWITCH 6-POLE IU=63, P/AC-23A AT 400V=22KW 2 N-TERMINALS INSULATION-ENCLOSED, IP65 ROTARY ACTUATOR RED/YELLOW (EMERG. STOP)

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, red/yellow
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		Yes
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 Rem designation / according to DIN 40719 extendable after IEC 204-2 / according to EC 750  Main circuit:  Continuous current / rated value  Operating current / at AC-21 / rated value  A 63  Short-line current resistance (Icw) / at 690 V / limited to 1 s / rated value  Operating requency  Operating requency  Operating voltage / at 50/60 Hz / for AC / rated value  ***at 690 V / rated value  ***at 690 V / rated value  ***at 690 V / rated value  Service power / at AC-23 A  ***at 400 V / rated value  Operating cycles / maximum  Auxiliary circuit:  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of Change-over switches / for auxiliary contacts  Does 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  - fort mo	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 40719 extendable after IEC 204-2 / according to DIN 40719 extendable after	Impulse voltage resistance / rated value	V	6,000
contacts / typical Protection against electrical shock 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	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  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  Derating 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  - at 690			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 requency  Hz 50 60  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  - i/h 50  Auxiliary circuit:  Number of NC contacts / for auxiliary contacts  0  Number of NO contacts / for auxiliary contacts  0  Continuous current / of the auxiliary contact / rated value  A 10  Operating voltage / of the auxiliary 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 auxiliary switch / required  Installation/mounting/dimensions:  Type of mounting  - foor mounting  - foor mounting  - foor 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 (lcw) / at 690 V / limited to 1 s / rated value  Operating frequency  Hz 50 60  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  • 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  • Aut 400 V / rated value  Operating cycles / maximum  1/h 50  Auxiliary circuit:  Number of NC contacts / for auxiliary contacts  0  Continuous current / of the auxiliary contacts  0  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  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  • front mounting	Item designation / according to DIN EN 61346-2		S
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 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 / rated value  • at 690 V / rated value  A 18.5  Service power / at AC-23 A  • at 400 V / rated value  • at 690 V / rated value  Operating cycles / maximum  1/h 50  Auxiliary circuit:  Number of NC contacts / for auxiliary contacts  0  Number of NC contacts / for auxiliary contacts  0  Continuous current / of the auxiliary contact / rated value  A 10  Operating voltage / of the auxiliary contact / 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 main circuit / necessary  Design of the fuse link / for short-circuit protection of the auxiliary switch / required  Installation/mounting/dimensions:  Type of mounting  • front 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 roquency  Operating voitage / at 50/60 Hz / for AC / rated value  Service power / at AC-3  • 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  Operating voitage / of the auxiliary contact / rated value  Operating voitage / of the auxiliary contact / rated value  Operating voitage / of the auxiliary contact / rated value  Operating voitage / of the auxiliary contact / rated value  Operating voitage / of the auxiliary 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 auxiliary switch / required  Installation/mounting/dimensions:  Type of mounting  floor mounting  floor mounting  floor mounting	Main circuit:		
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 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 auxiliary switch / required  Installation/mounting/dimensions:  Type of mounting  • front mounting	Continuous current / rated value	А	63
Part	Operating current / at AC-21 / rated value	Α	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  * at 690 V / rated value  * at 690 V / rated value  * 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  A 10  Operating voltage / of the auxiliary contact / rated value  Operating voltage / of the auxiliary 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 auxiliary switch / required  Installation/mounting/dimensions:  Type of mounting  * floor mounting  * floor mounting  * front mounting  * floor mounting  * front		А	1,260
Service power / at AC-3  * at 400 V / rated value  * at 690 V / rated	Operating frequency	Hz	50 60
*at 400 V / rated value *at 690 V / rated value *at 690 V / rated value *at 400 V / rated value *at 400 V / rated value *at 400 V / rated value *at 690 V / rated value *at 690 V / rated value *bw 18.5  Operating cycles / maximum  1/h 50  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  A 10  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 / necessary  Design of the fuse link / for short-circuit protection of the auxiliary switch / required  Installation/mounting/dimensions:  Type of mounting  • front mounting  • front mounting	Operating voltage / at 50/60 Hz / for AC / rated value	V	690
* at 690 V / rated value kW 22  * at 400 V / rated value kW 22  * at 690 V / rated value kW 18.5  Operating cycles / maximum 1/h 50  Auxiliary circuit:  Number of NC contacts / for auxiliary contacts 0  Number of NC contacts / for auxiliary contacts 0  Number of NO contacts / for auxiliary contacts 0  Number of change-over switches / for auxiliary contact 0  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 floor mounting  Installation/mounting/dimensions:  Type of mounting floor mounting  • front mounting	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 NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  O  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  • front mounting  floor mounting	• at 400 V / rated value	kW	18.5
* at 400 V / rated value     * at 690 V / rated value    1/h   50    Auxiliary circuit:	• at 690 V / rated value	kW	15
* at 690 V / rated value     * BW 18.5  Operating cycles / maximum     * 1/h 50  Auxiliary circuit:  Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Outhinuous current / of the auxiliary contact / rated value  Operating voltage / of the auxiliary contact / rated value  Operating voltage / of the auxiliary contact / 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  • front mounting  Installation/mounting/dimensions:	Service power / at AC-23 A		
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  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  • front 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  • front 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  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  • front mounting  floor mounting  No	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  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  • front mounting  No	Auxiliary circuit:		
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  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  • front mounting  floor mounting  No	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  • front mounting  No	Number of NO contacts / for auxiliary contacts		0
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  • front mounting  No	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  • front mounting  No	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  • front mounting  No	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  • front mounting  No	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  • front mounting  No	Short-circuit:		
Installation/mounting/dimensions:  Type of mounting  • front mounting  No			fuse gL/gG: 63 A
Type of mounting  • front mounting  No			fuse gL/gG: 10 A
• front mounting No	Installation/mounting/dimensions:		
	Type of mounting		floor mounting
• front mounting with central fixation No	• front mounting		No
	front mounting with central fixation		No

• front mounting with 4-hole fixation		No
• series installation		No
Rail installation		No
Width	mm	212
Height	mm	302
Depth	mm	181

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	
finely stranded / with conductor end processing	16 mm²
Type of connectable conductor cross section / for auxiliary contacts	
• solid	2x (0.75 to 2.5 mm2), 1x 4 mm2
finely stranded / with conductor end processing	2x (0.75 1.5 mm2), 1x 2.5 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 contact / solid / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / solid / maximum	mm²	4
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / 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



Special Test Certificate

**Test Certificates** 

#### **Shipping Approval**



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Declaration of Conformity

Environmental Confirmations

### 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,...)

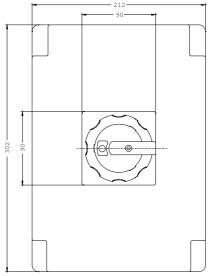
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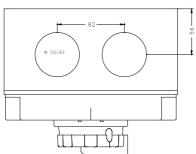
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

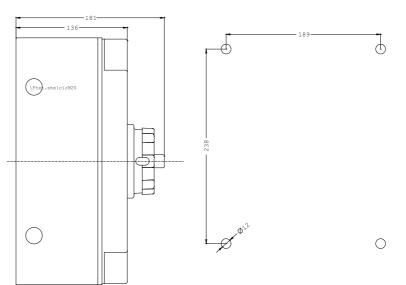
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2566-3VB53

#### **CAx-Online-Generator**

http://www.siemens.com/cax







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