SIEMENS

Product data sheet

3LD2565-0TB51



MAIN CONTROL SWITCH 3-POLE IU=63, P/AC-23A AT 400V=22KW 1 N-TERMINAL + 1 PE-TERMINAL ENCAPSUL.IN M.P.ENCLOSURE, IP65 ROTARY ACTUATOR BLACK METRIC THREAD

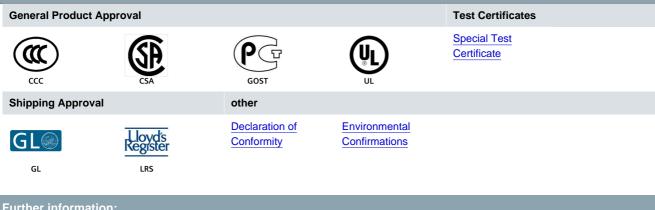
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General technical details:				
product brand name		SENTRON		
Product designation		main and EMERGENCY-OFF switches		
Design of the operating mechanism		rotary actuator, black		
Type from device		fixed mounting		
Protection class IP		IP65		
Number of poles		3		
Mounting type		floor mounting		
front mounting		No		
rail mounting		No		
series installation		No		
Insulation voltage / rated value	V	690		
Continuous current / rated value	А	63		
Product equipment / interlock		Yes		
Design of the electrical connection				
 for auxiliary contact 		connection terminals		
for main current circuit		connection terminals		
Type of the driving mechanism / motor drive		No		
Number of NC contacts / for auxiliary contacts		0		

Number of NO contacts / for auxiliary contacts 0 Number of changeover contacts / for auxiliary contacts 0 Operating surfacts A Solutiary contacts / for Auxiliary contacts A Operating surfacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • of the auxiliary contacts / for AC / maximum V • at 400 V / raide value kW Short-time current resistance (few) / at 690 V / limited to 1 s / raide value A Operating cycles as operating time / of the main contacts / typical mm with the for short-circuit protection of the auxiliary switch / required 100,000 Connectable conductor ross-section istanded we / with conductor end processing / maximum mm ² • stranded mm ² 25 35 • stranded we / with conductor end processing / maximum 16 <t< th=""><th>Impulse voltage resistance / rated value</th><th>V</th><th>6,000</th></t<>	Impulse voltage resistance / rated value	V	6,000
Operating current / at AC-21 / rated valueA63Operating voltage-• of the auxiliary contacts / for AC / maximumV500• at 50050 Hz / for AC / rated valueV500Service power / at AC-3-• at 400 V / rated valueVW15.5• at 680 V / rated valueKW15.5Short-time current resistance (tow) / at 690 V / limited to 1 s / rated valueA1200Depthmm149Heightmm149With10.0000100.000With10.0000100.000Active power loss / per conductor / typicalW4.5Connectable conductor / typicalW4.5• for main contacts	Number of NO contacts / for auxiliary contacts	-	0
Operating voltageV500• of the auxiliary contacts / for AC / maximumV500• at 50050 Hz / for AC / rated valueV660Service power / at AC-3	Number of changeover contacts / for auxiliary contacts	-	0
of the auxiliary contacts / for AC / maximumV500at 5080 Hz / for AC / rated valueV690Service power / at AC-3KW18.5- at 400 V / rated valueKW15Short-time current resistance (low) / at 690 V / limited to 1 s / rated valueA1,260Depthmm149Heightmm149Mitching16100.000Kirkithmm100.000Active power loss / per conductor / typicalW4.5Active power loss / per conductor / typicalW4.5Northed waluemm2.5 35- inf anio contactsmm²2.5 35- inf anio contactsmm²2.5 35- inf anio contactsmm²2.5 35- inf anio contactsmm²0.75 2.5- inf anio contactsmm²0.75 2.5- inf anio contactsmm²0.75 4- inf and y standedmm²0.75 4.5- inf and y standedmm²0.75 4- inf anio contactsmm²0.75 4.15- inf anio contactsmm²0.75 4.15- inf anio contactsmm²0.75 4.15- inf and y standedmm²0.75 4.5- inf anio contactsmm²0.75 4.5- inf anio contactsma²0.75 4.5- inf anio contactsma²0.75 1.5 mm2, 1x 2.5 mm2- inf anio contactsma²0.75 4.55- inf anio contactsma²0.75 4.55 <td< td=""><td>Operating current / at AC-21 / rated value</td><td>A</td><td>63</td></td<>	Operating current / at AC-21 / rated value	A	63
variationV690Service power / at AC-3	Operating voltage	_	
Service power / at AC-3 Mathematical action of the second of	 of the auxiliary contacts / for AC / maximum 	V	500
At 400 V / rated valueKW18.5i at 690 V / rated valueKW15Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated valueA1,260DepthMm199WidthMm199WidthMm146Mechanical operating cycles as operating time / of the main contacts / typicalMV4.5Design of the fuse link / for short-circuit protection of the axiliary switch / requiredMV4.5Design of the fuse link / for short-circuit protection of the axiliary switch / requiredMV535• for main contactsMm²2.535• for main contactsmm²2.535• for axiliary switch / requiredmm²0.752.5• for axiliary contactmm²0.752.5• for axiliary contactmm²0.754• with conductor end processing / maximummm²0.754• for axiliary contactmm²0.754• for axiliary contactsmm²0.754• for axiliary contactsmm²0.754• for axiliary contacts2.4.07515 mm2). 1x 2.5 mm2• for axiliary contactsmm²0.754• for axiliary contacts2.4.07515 mm2). 1x 2.5 mm2• for axiliary contactsmm²0.754• for axiliary contactsmm² </td <td>• at 50/60 Hz / for AC / rated value</td> <td>V</td> <td>690</td>	• at 50/60 Hz / for AC / rated value	V	690
• at 690 V / rated valueNW15Short-time current resistance (low) / at 690 V / limited to 1 s / rated valueA1,260Depthmm149Heightmm149Widthmm146Mechanical operating cycles as operating time / of the main contacts / typical0m146Active power loss / per conductor / typicalW4.5Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredMm2.5• for main contactsmm²2.535• for main contactsmm²2.536• for auxiliary switch / with conductor end processing / maximum • for auxiliary switchmm²0.7525• for auxiliary switchmm²0.754• for auxiliary contactmm²0.754• for auxiliary contactsmm²0.754• for auxiliary contacts	Service power / at AC-3	-	
Short-time current resistance (icw) / at 690 V / limited to 1 s / rated valueA1,260Depthmm149Heightmm199Withmm146Mechanical operating cycles as operating time / of the main contacts / typical00,000Active power loss / per conductor / typicalW4.5Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredMm2.535Connectable conductor cross-section · for main contactsmm22.535· for main contactsmm22.535· strandedmm21.6· tor auxiliary contact · finely strandedmm20.754· for auxiliary contact · finely strandedmm20.754· for auxiliary contact · finely strandedmm22.535· for auxiliary contact · finely strandedmm20.754· for auxiliary contact · finely strandedmm20.754· for auxiliary contact · finely stranded / with conductor end processing · strandedmm20.754· for auxiliary contacts · finely stranded / with conductor end processingmm20.754· for auxiliary contacts · finely stranded / with conductor end processingmm215· for auxiliary contacts · finely stranded / with conductor end processingmm20.754· for auxiliary contacts · finely stranded / with conductor end processingmm215· for auxiliary contacts · finely stranded / with conductor end processingmm215·	• at 400 V / rated value	kW	18.5
rated valueImage: standed science: standed science: standed with conductor end processing science: standed with conductor end processing science: standed science: scie	• at 690 V / rated value	kW	15
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We We We the Mechanical operating cycles as operating time / of the main contacts / typicalmm146Mechanical operating cycles as operating time / of the main contacts / typical100,000Active power loss / per conductor / typicalW4.5Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredW4.5Connectable conductor cross-section · for main contactsmm22.535· for main contactsmm22.535· strandedmm22.535· stranded wire / with conductor end processing / maximum · for auxiliary contactmm20.752.5· with conductor end processing / maximum · strandedmm20.754· with conductor end processingmm20.754· with conductor end processingmm20.754· with conductor end processingmm20.754· transedmm20.754· transedmm20.754· transedmm20.754· transet2x (0.751.5 mm2), 1x 2.5 mm2· transetmm20.754· transetinsel - safe· transetmm20.754· transetinsel - safe· transetinsel - safe· transetinsel - safe· transetinser-safe· transetinser-safe· transetinser-safe· transetinser-safe· transetinser-safe· transetinser-safe· transetinser-safe <td>Depth</td> <td>mm</td> <td>149</td>	Depth	mm	149
Mechanical operating cycles as operating time / of the main contacts / typicalMmmMmmMmmMechanical operating cycles as operating time / of the main contacts / typicalW4.5Active power loss / per conductor / typicalW4.5Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredIf use gL/gG: 10 AConnectable conductor cross-section • for main contactsmm²2.5 35• for main contactsmm²2.5 35• strandedmm²2.5 35• stranded wire / with conductor end processing / maximum • for auxiliary contactmm²0.75 2.5• for inely strandedmm²0.75 2.5• with conductor end processingmm²0.75 4• with conductor end processingmm²0.75 4• with conductor end processingmm²0.75 4• for auxiliary contactsmm²0.75 4• for auxiliary contactsmm²0.75 4• for auxiliary contactsmm²0.75 4• for auxiliary contacts2.4 (0.75 1.5 mm2), 1x 2.5 mm2• for auxiliary contacts2.5 (0.75 1.5 mm2), 1x 2.5 mm2• for auxiliary contacts2.5 (0.75 1.5 mm2), 1x 2.5 mm2• for auxiliary contacts1.1h• for auxi	Height	mm	199
contacts / typicalintermediateActive power loss / per conductor / typicalW4.5Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredfuse gL/gG: 10 AConnectable conductor cross-sectionFuse gL/gG: 10 A• for main contactsmm ² 2.5 35• single- or multi-strandedmm ² 2.5 35• stranded wire / with conductor end processing / maximummm ² 2.5 35• for auxiliary contactmm ² 0.75 4• with conductor end processing / maximummm ² 0.75 4• with conductor end processingmm ² 0.75 4• with conductor end processingmm ² 0.75 4• strandedmm ² 0.75 4• strandedmm ² 2x (0.75 15 mm2), 1x 2.5 mm2• finely strandedmm ² 2x (0.75 15 mm2), 1x 2.5 mm2• for auxiliary contactsmm ² 2x (0.75 15 mm2), 1x 2.5 mm2• finely stranded / with conductor end processing2x (0.75 15 mm2), 1x 2.5 mm2• for auxiliary contacts2x (0.75 15 mm2), 1x 2.5 mm2• finely stranded / with conductor end processing2x (0.75 15 mm2), 1x 2.5 mm2• for auxiliary contacts1/h50• for application1/h50• main switchYes• main switchYes	Width	mm	146
Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredfuse gL/gG: 10 AConnectable conductor cross-section • for main contacts • single- or multi-strandedmm²2.5 35• stranded • stranded wire / with conductor end processing / maximum • for auxiliary contact • finely strandedmm²2.5 35• with conductor end processing / maximum • for auxiliary contact • single- or multi-strandedmm²0.75 2.5• single- or multi-stranded • with conductor end processing / maximummm²0.75 4• for auxiliary contact • single- or multi-stranded • with conductor end processingmm²0.75 4• strandedmm²0.75 4• strandedmm²0.75 4• for auxiliary contacts • for a		_	100,000
auxiliary switch / requiredImage: Connectable conductor cross-sectionImage: Connectable conductor cross-section• for main contactsmm²2.5 35• single- or multi-strandedmm²2.5 35• stranded wire / with conductor end processing / maximummm²16• for auxiliary contactmm²0.75 2.5• with conductor end processing / maximummm²0.75 2.5• with conductor end processingmm²0.75 4• strandedmm²0.75 4• tor auxiliary contacts2x (0.75 1.5 mm2), 1x 2.5 mm2• for auxiliary contacts2x (0.75 1.5 mm2), 1x 2.5 mm2• for auxiliary contacts1/h50• for auxiliary contactsYes• for auxiliary contactsYes• for auxiliary contacts1/h50• for auxiliary contactsYes• for auxiliary contactsYes• for auxiliary contactsYes• for auxiliary contactsYes• fo	Active power loss / per conductor / typical	W	4.5
 for main contacts isingle- or multi-stranded istranded istranded istranded wire / with conductor end processing / maximum ifor auxiliary contact ifor auxiliary contact with conductor end processing mm2 0.75 2.5 isingle- or multi-stranded mm2 0.75 4 <li< td=""><td></td><td></td><td>fuse gL/gG: 10 A</td></li<>			fuse gL/gG: 10 A
• single- or multi-strandednm22.5 35• stranded wire / with conductor end processing / maximumnm22.5 35• for auxiliary contactmm216• for auxiliary contactmm216• finely strandedmm20.75 4• with conductor end processingmm20.75 4• with conductor end processingmm20.75 4• single- or multi-strandedmm20.75 4• strandedmm20.75 4• strandedmm20.75 4• finely stranded / with conductor end processingmm20.75 4• finely stranded / with conductor end processing°C0.50• finely stranded / with conductor end processing°C0.50• for auxiliary contactssco.1/h50• for auxiliary contactsin an aswitchYes• main switchin an aswitchYes• with disconnectorYesYes	Connectable conductor cross-section		
outputmm22.5 35• stranded wire / with conductor end processing / maximummm216• for auxiliary contactmm20.75 2.5• with conductor end processingmm20.75 2.5• with conductor end processingmm20.75 4• single- or multi-strandedmm20.75 4• strandedmm20.75 4• strandedmm20.75 4• for auxiliary contactsmm20.75 4• for auxiliary contactsmm20.75 4• for auxiliary contacts2x (0.75 1.5 mm2), 1x 2.5 mm2• finely stranded / with conductor end processing2c (0.75 1.5 mm2), 1x 2.5 mm2• finely stranded / with conductor end processing1/h50Protection against electrical shockInger-safe• main switchYesYes• main switchYesYes	for main contacts		
• stranded wire / with conductor end processing / maximummm²16• for auxiliary contact• finely stranded• with conductor end processingmm²0.75 2.5• single- or multi-strandedmm²0.75 4• strandedmm²0.75 4• strandedmm²0.75 4• strandedmm²0.75 4• strandedmm²0.75 4• strandedmm²0.75 4• for auxiliary contacts• finely stranded / with conductor end processing-2x (0.75 1.5 mm2), 1x 2.5 mm2• finely stranded / with conductor end processing-2x (0.75 1.5 mm2), 1x 2.5 mm2• for auxiliary contacts50• forection against electrical shockIn50• main switchYes• main switch-YesYes	• single- or multi-stranded	mm²	2.5 35
• for auxiliary contactImage: Section and	• stranded	mm²	2.5 35
• finely strandedImm20.75 2.5• with conductor end processingmm20.75 4• single- or multi-strandedmm20.75 4• strandedmm20.75 4• strandedmm20.75 4• for auxiliary contactsmm20.75 4• finely stranded / with conductor end processingref2x (0.75 1.5 mm2), 1x 2.5 mm2• finely stranded / with conductor end processing°C-25 +55• for auxiliary contactsinger-safefinger-safe• for application1/h50• main switchresYes• switch disconnectorYesYes	 stranded wire / with conductor end processing / maximum 	mm²	16
• with conductor end processingmm20.75 2.5• single- or multi-strandedmm20.75 4• strandedmm20.75 4• strandedmm20.75 4Type of the connectable conductor cross-section • for auxiliary contacts• finely stranded / with conductor end processing-2x (0.75 1.5 mm2), 1x 2.5 mm2Ambient temperature / during operating°CProtection against electrical shockImage: safe-Operating cycles / maximum1/h50-Acceptability for application • main switch • switch disconnectorYesYes	• for auxiliary contact		
• single- or multi-strandedmm20.75 4• strandedmm20.75 4Type of the connectable conductor cross-section • for auxiliary contacts • finely stranded / with conductor end processing	finely stranded		
• strandedmm20.75 4• type of the connectable conductor cross-section • for auxiliary contacts • finely stranded / with conductor end processingImm2Imm2• finely stranded / with conductor end processing2x (0.75 1.5 mm2), 1x 2.5 mm2• Ambient temperature / during operating°C-25 +55• Protection against electrical shockImm2finger-safe• Operating cycles / maximum1/h50• main switch • switch disconnectorYesYes• switch disconnectorYesYes	 with conductor end processing 	mm²	0.75 2.5
Type of the connectable conductor cross-sectionImage: Section and the	• single- or multi-stranded	mm²	0.75 4
• for auxiliary contactsImage: Final stranded / with conductor end processingImage: Final strand stra	• stranded	mm²	0.75 4
• finely stranded / with conductor end processing2x (0.75 1.5 mm2), 1x 2.5 mm2Ambient temperature / during operating°C25 +55Protection against electrical shockImage: finger-safeOperating cycles / maximum1/h50Acceptability for applicationYes• main switchYes• switch disconnectorYes	Type of the connectable conductor cross-section		
Ambient temperature / during operating°C-25 +55Protection against electrical shockfinger-safeOperating cycles / maximum1/h50Acceptability for applicationYes• main switchYes• switch disconnectorYes	for auxiliary contacts		
Protection against electrical shockfinger-safeOperating cycles / maximum1/h50Acceptability for applicationYes• main switchYes• switch disconnectorYes	 finely stranded / with conductor end processing 		2x (0.75 1.5 mm2), 1x 2.5 mm2
Operating cycles / maximum 1/h 50 Acceptability for application 50 • main switch Yes • switch disconnector Yes	Ambient temperature / during operating	°C	-25 +55
Acceptability for application Yes • main switch Yes • switch disconnector Yes	Protection against electrical shock		finger-safe
main switch switch disconnector Yes	Operating cycles / maximum	1/h	50
• switch disconnector Yes	Acceptability for application		
	• main switch		Yes
maintenance/repair switch Yes	switch disconnector		Yes
	maintenance/repair switch		Yes

safety cut-out switch		Yes
emergency stop switch		No
Product extension / optional		
motor drive		No
voltage trigger		No
Mounting type		
 front mounting with central attachment 		Yes
front mounting with 4-hole attachment		No
Operating frequency		
initial value	Hz	50
• final value	Hz	60
Design of the fuse link / for short-circuit protection of the main circuit / necessary		fuse gL/gG: 63 A
Service power / at AC-23 A		
• at 400 V / rated value	kW	22
• at 690 V / rated value	kW	18.5
Insulation voltage / of the auxiliary switch / rated value	V	500
Continuous current / of the auxiliary contact / rated value	А	10
Item designation		
according to DIN EN 61346-2		S

Certificates/approvals:



Further information:

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

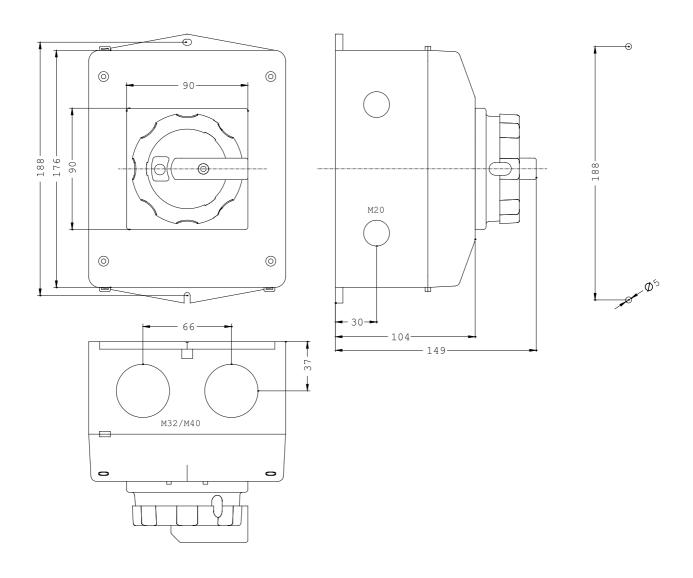
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2565-0TB51

CAx-Online-Generator

http://www.siemens.com/cax



last change:

Apr 21, 2014