## **SIEMENS**

**Product data sheet** 

Type from device         fixed mounting           design of the operating mechanism         rotary actuator, black           Protection class IP         IP65           Number of poles         3           Acceptability for application         Ves           • winch disconnector         Yes           • safety cut-out switch         Yes           • Safety cut-out switch         Yes           • NETWORK OPERATING EMERGENCY OFF switch         No           • naintenance/repair switch         Yes           Product equipment / interlock         Yes           Product equipment / interlock         Yes           • Notor drive         No           • voltage frigger         No           • Motor drive         No           • voltage trigger         No           Insulation voltage / rated value         V         690           Impulse voltage resistance / rated value         V         600           Real loss power / per conductor / typical         W         100,000           Protection against electrical shock         Inger-safe         S           Item designation / according to DIN H0 f1346-2         S         S           Real cos power / paccording to DIN H0 f1346-2         S         S	General technical details:				
Type from device         fixed mounting           design of the operating mechanism         rotary actuator, black           Protection class IP         IP65           Number of poles         3           Acceptability for application         Ves           • winch disconnector         Yes           • safety cut-out switch         Yes           • Safety cut-out switch         Yes           • NETWORK OPERATING EMERGENCY OFF switch         No           • naintenance/repair switch         Yes           Product equipment / interlock         Yes           Product equipment / interlock         Yes           • Notor drive         No           • voltage frigger         No           • Motor drive         No           • voltage trigger         No           Insulation voltage / rated value         V         690           Impulse voltage resistance / rated value         V         600           Real loss power / per conductor / typical         W         100,000           Protection against electrical shock         Inger-safe         S           Item designation / according to DIN H0 f1346-2         S         S           Real cos power / paccording to DIN H0 f1346-2         S         S	Product brand name		SENTRON		
design of the operating mechanism         rotary actuator, black           Protection class IP         IP65           Number of poles         3           Acceptability for application         Ves           • witch disconnector         Yes           • safety cut-out switch         Yes           • Safety cut-out switch         Yes           • NETWORK OPERATING EMERGENCY OFF switch         No           • maintenance/repair switch         Yes           Product equipment / interlock         Yes           Insulation voltage / rated value         No           • Motor drive         No           • voltage trigger         No           Insulation voltage / rated value         V           Real loss power / per conductor / typical         W           Protection against electrical shock         Inger-safe           Item designation / according to DIN H0 f1346-2         S           Real design of / according to DIN H0 f1346-2         S           Item designation / according to DIN H0 f1346-2         S           Real-according to IDIN H0 f1346-2         S	Product designation	-	main and EMERGENCY-OFF switches		
Protection class IP       IP65         Number of poles       3         Acceptability for application       'Yes         • switch disconnector       Yes         • main switch       Yes         • Safety cut-out switch       Yes         • NETW/ORK OPERATING EMERGENCY OFF switch       No         • maintenance/repair switch       Yes         • NetTw/ORK OPERATING EMERGENCY OFF switch       Yes         • maintenance/repair switch       Yes         Product equipment / interlock       Yes         Product equipment / interlock       Yes         Product equipment / interlock       No         • whotor drive       No         • woltage trigger       No         Ambient temperature / during the operating phase       °C         insulation voltage / rated value       V         Vo       600         Impulse voltage resistance / rated value       V         Protection against electrical shock       finger-safe         Item designation / according to DIN 40719 extendable after IEC       S         2042 / according to DIN 40719 extendable after IEC       S         2042 / according to DIN 40719 extendable after IEC       S         2042 / according to IEC 750       S         2041 /	Type from device	_	fixed mounting		
Number of poles       3         Acceptability for application       ''es         • witch disconnector       Yes         • nain switch       Yes         • Safety cut-out switch       Yes         • NETWORK OPERATING EMERGENCY OFF switch       No         • maintenance/repair switch       Yes         • naintenance/repair switch       Yes         • realitenance/repair switch       Yes         Product equipment / interlock       Yes         Product equipment / interlock       No         Product equipment / interlock       No         Product extension / optional       No         • Notor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C         • voltage / rated value       V         Impulse voltage resistance / rated value       V         Real loss power / per conductor / typical       W         Protection against electrical shock       finger-safe         Item designation / according to DIN K01346-2       S         Solor       S         Main circutt:       S         Continuous current / rated value       A       125         Operating current / rated value       A       12	design of the operating mechanism	_	rotary actuator, black		
Acceptability for application       Yes         • switch disconnector       Yes         • main switch       Yes         • Safety cut-out switch       Yes         • NETWORK OPERATING EMERGENCY OFF switch       No         • maintenance/repair switch       Yes         • Product equipment / interlock       Yes         Type of the driving mechanism / Motor drive       No         Product equipment / interlock       Yes         • Motor drive       No         • Motor drive       Ingeresistance / rated value	Protection class IP	-	IP65		
•witch disconnectorYes•main switchYes•safety cut-out switchYes•NETWORK OPERATING EMERGENCY OFF switchNo•maintenance/repair switchYesProduct equipment / interlockYesProduct equipment / interlockYesProduct extension / optionalYes•Motor driveNo•voltage triggerNoAmbient temperature / during the operating phase°C•voltage / rated valueV690100.000Impulse voltage resistance / rated valueV90012Mechanical switching cycle as operating period / of the main contacts / typical100.000Protection against electrical shockfinger-safeItem designation / according to DIN 40719 extendable after IECSValarA125Operating current / rated valueA125Short-time current resistance ((cw) / at 690 V / limited to 1 s / rated valueA2,000	Number of poles	-	3		
nain switchYes• Safety cut-out switchYes• NETWORK OPERATING EMERGENCY OFF switchNo• naintenance/repair switchYesProduct equipment / interlockYesProduct equipment / interlockYesProduct equipment / interlockNoProduct extension / optionalNo• Motor driveNo• voltage triggerNoAmbient temperature / during the operating phase°Crest out against electrical shockVInsulation voltage / rated valueVProtection against electrical shockInger-safeItem designation / according to DIN EN 61346-2SItem designation / according to DIN 40719 extendable after IECSOperating ourrent / rated valueA125Operating current / rated valueAShort-time current resistance (icw) / at 690 V / limited to 1 s / rated valueAll our current / at AC-21 / rated valueAAnd useAnd useAn use	Acceptability for application	-			
Safety cut-out switchYes• NETWORK OPERATING EMERGENCY OFF switchNo• maintenance/repair switchYesProduct equipment / interlockYesProduct equipment / interlockNoType of the driving mechanism / Motor driveNo• Motor driveNo• voltage triggerNo• Motor driveNo• voltage triggerNoAmbient temperature / during the operating phase°C• Safety sourceVInsulation voltage / rated valueVV6000Real loss power / per conductor / typicalVMechanical switching cycle as operating period / of the main contacts / typical100,000Protection against electrical shockfinger-safeItem designation / according to DIN 40719 extendable after IEC 204-2 / according to EIC 750SMain circuitA125Continuous current / rated valueA125Operating current / at AC-21 / rated valueA2,000	switch disconnector		Yes		
• NETWORK OPERATING EMERGENCY OFF switch       No         • maintenance/repair switch       Yes         Product equipment / interlock       Yes         Type of the driving mechanism / Motor drive       No         Product extension / optional       Yes         • Motor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C         • voltage resistance / rated value       V         Impulse voltage resistance / rated value       V         Protection against electrical shock       Finger-safe         Item designation / according to DIN 40719 extendable after IEC       S         204-2 / according to EC 750       A         Main circuit:       A         Continuous current / rated value       A         And incruit       A         Solution voltage trigger       A         Item designation / according to DIN 40719 extendable after IEC       S         Solution voltage in EC 750       S         Main circuit:       A       125         Continuous current / rated value       A       125         Operating current / at AC-21 / rated value       A       125         Operating current / at AC-21 / rated volue       A       125	• main switch		Yes		
• maintenance/repair switch       Yes         Product equipment / interlock       Yes         Type of the driving mechanism / Motor drive       No         Product extension / optional       No         • Motor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C       -25 55         Insulation voltage / rated value       V       690         Impulse voltage resistance / rated value       V       6,000         Real loss power / per conductor / typical       W       12         Mechanical switching cycle as operating period / of the main contacts / typical       S       S         Protection against electrical shock       finger-safe       S         Item designation / according to DIN 40719 extendable after IEC 204-2 / according to EC 750       S       S         Main circuit:       A       125       S         Operating current / rated value       A       125         Operating current / at AC-21 / rated value       A       125         Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value       A       2,000	Safety cut-out switch		Yes		
Product equipment / interlock       Yes         Type of the driving mechanism / Motor drive       No         Product extension / optional       No         • Motor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C         Insulation voltage / rated value       V         Impulse voltage resistance / rated value       V         Real loss power / per conductor / typical       W         Mechanical switching cycle as operating period / of the main contacts / typical       100,000         Protection against electrical shock       Inger-safe         Item designation / according to DIN 40719 extendable after IEC 204-2 / according to DIN 40719 extendable after IEC 204-2 / according to EC 750       S         Main circuit:       A       125         Operating current / rated value       A       125         Operating current / at AC-21 / rated value       A       125         Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value       A       2,000	NETWORK OPERATING EMERGENCY OFF switch		No		
Type of the driving mechanism / Motor drive       No         Product extension / optional       No         • Motor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C       -25 55         Insulation voltage / rated value       V       690         Impulse voltage resistance / rated value       V       6,000         Real loss power / per conductor / typical       W       12         Mechanical switching cycle as operating period / of the main contacts / typical       Mo       S         Protection against electrical shock       finger-safe       S         Item designation / according to DIN EN 61346-2       S       S         Main circuit:       A       125         Operating to IEC 750       A       125         Operating current / rated value       A       125         Operating current resistance (lcw) / at 690 V / limited to 1 s / at evalue       A       2,000	maintenance/repair switch		Yes		
Product extension / optional       No         • Motor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C       -25 55         Insulation voltage / rated value       V       690         Impulse voltage resistance / rated value       V       6,000         Real loss power / per conductor / typical       W       12         Mechanical switching cycle as operating period / of the main contacts / typical       100,000         Protection against electrical shock       finger-safe         Item designation / according to DIN EN 61346-2       S         Read loss current / rated value       A       125         Operating turrent / rated value       A       125         Operating current resistance (lcw) / at 690 V / limited to 1 s / rated value       A       2,000	Product equipment / interlock	-	Yes		
• Motor drive       No         • voltage trigger       No         Ambient temperature / during the operating phase       °C       -25 55         Insulation voltage / rated value       V       690         Impulse voltage resistance / rated value       V       6,000         Real loss power / per conductor / typical       W       12         Mechanical switching cycle as operating period / of the main contacts / typical       Moo       5         Protection against electrical shock       Edit finger-safe       S         Item designation / according to DIN EN 61346-2       S       S         Wain circuit:       X       125         Moin current / rated value       A       125         Operating current / rated value       A       25         Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value       A       2,000	Type of the driving mechanism / Motor drive	-	No		
• voltage trigger       No         Ambient temperature / during the operating phase       °C       -25 55         Insulation voltage / rated value       V       690         Impulse voltage resistance / rated value       V       6,000         Real loss power / per conductor / typical       W       12         Mechanical switching cycle as operating period / of the main contacts / typical       100,000       finger-safe         Protection against electrical shock       finger-safe       S         Item designation / according to DIN EN 61346-2       S       S         Main circuit:       X       S       S         Main circuit:       A       125       S         Operating current / rated value       A       125         Short-time current resistance (icw) / at 690 V / limited to 1 s / rated value       A       2,000	Product extension / optional	-			
Ambient temperature / during the operating phase°C-25 55Insulation voltage / rated valueV690Impulse voltage resistance / rated valueV6,000Real loss power / per conductor / typicalW12Mechanical switching cycle as operating period / of the main contacts / typical100,000Protection against electrical shockfinger-safeItem designation / according to DIN EN 61346-2S204-2 / according to IEC 750SMain circuit:AContinuous current / rated valueAOperating current / at AC-21 / rated valueAShort-time current resistance (Icw) / at 690 V / limited to 1 s / rated valueA	Motor drive		No		
Insulation voltage / rated valueV690Impulse voltage resistance / rated valueV6,000Real loss power / per conductor / typicalW12Mechanical switching cycle as operating period / of the main contacts / typical100,000Protection against electrical shockfinger-safeItem designation / according to DIN EN 61346-2SItem designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750SMain circuit:A125Operating current / rated valueA125Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated valueA2,000	voltage trigger		No		
Impulse voltage resistance / rated valueV6,000Real loss power / per conductor / typicalW12Mechanical switching cycle as operating period / of the main contacts / typical100,000Protection against electrical shockfinger-safeItem designation / according to DIN EN 61346-2SItem designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750SMain circuit:A125Operating current / rated valueA125Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated valueA2,000	Ambient temperature / during the operating phase	°C	-25 55		
Real loss power / per conductor / typicalW12Mechanical switching cycle as operating period / of the main contacts / typical100,000Protection against electrical shockfinger-safeItem designation / according to DIN EN 61346-2SItem designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750SMain circuit:AContinuous current / rated valueAOperating current / at AC-21 / rated valueAShort-time current resistance (Icw) / at 690 V / limited to 1 s / rated valueA2,000	Insulation voltage / rated value	V	690		
Mechanical switching cycle as operating period / of the main contacts / typical100,000Protection against electrical shockfinger-safeItem designation / according to DIN EN 61346-2SItem designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750SMain circuit:A125Continuous current / rated valueA125Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated valueA2,000	Impulse voltage resistance / rated value	V	6,000		
contacts / typicalImage: Contacts / typicalImage: Contacts / typicalProtection against electrical shockfinger-safeItem designation / according to DIN EN 61346-2SItem designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750SMain circuit:XContinuous current / rated valueAOperating current / rated valueAShort-time current resistance (Icw) / at 690 V / limited to 1 s / rated valueAContinuous current resistance (Icw) / at 690 V / limited to 1 s / rated valueA	Real loss power / per conductor / typical	W	12		
Item designation / according to DIN EN 61346-2       S         Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750       S         Main circuit:       S         Continuous current / rated value       A       125         Operating current / at AC-21 / rated value       A       125         Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value       A       2,000	Mechanical switching cycle as operating period / of the main contacts / typical		100,000		
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750       S         Main circuit:       A         Continuous current / rated value       A         Operating current / at AC-21 / rated value       A         Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value       A	Protection against electrical shock	-	finger-safe		
204-2 / according to IEC 750       Main circuit:         Main circuit:       A         Continuous current / rated value       A       125         Operating current / at AC-21 / rated value       A       125         Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value       A       2,000	Item designation / according to DIN EN 61346-2	-	S		
Continuous current / rated value       A       125         Operating current / at AC-21 / rated value       A       125         Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value       A       2,000	Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		S		
Operating current / at AC-21 / rated value     A     125       Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value     A     2,000	Main circuit:				
Short-time current resistance (Icw) / at 690 V / limited to 1 s / A 2,000 rated value	Continuous current / rated value	A	125		
rated value	Operating current / at AC-21 / rated value	А	125		
Operating frequency     Hz     50 60	Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value	А	2,000		
	Operating frequency	Hz	50 60		

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Operating voltage / at 50/60 Hz / for AC / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	kW	37
• at 690 V / rated value	kW	30
Service power / at AC-23a		
• at 400 V / rated value	kW	45
• at 690 V / rated value	kW	37
Operating cycles / maximum	1/h	50
Auxiliary circuit:		
Number of NC contacts / for auxiliary contact		0
Number of NO contacts / for auxiliary contact	-	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 / at 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		fuse gL/gG: 125 A
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
Installation/mounting/dimensions:		
Type of fixing/fixation		floor mounting
Front mounting		No
<ul> <li>front mounting with central fixation</li> </ul>		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		
• unifilar		4 50 mm2
<ul> <li>stranded wire / with conductor end processing</li> </ul>		35 mm2
stranded wire		4 50 mm2

Type of connectable conductor cross section / for auxiliary contacts	
• solid	2x (0.75 2.5 mm2), 1x 4 mm2
<ul> <li>finely stranded / with wire end processing</li> </ul>	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

Further information:

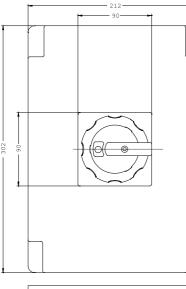
## Information- and Downloadcenter (Catalogs, Brochures,...)

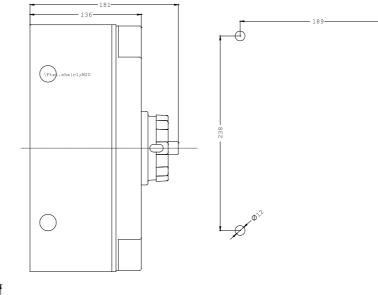
http://www.siemens.com/lowvoltage/catalogs

Global Industry Mall (Online ordering system) http://www.siemens.com/lowvoltage/mall

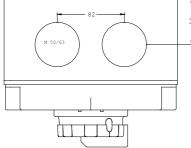
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3LD2866-0TB51/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2866-0TB51





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