



SIRIUS MCU MOTOR STARTER EN. DEGR. OF
PROTEC. IP55 PLASTIC COMMUNICATION AS-
INTERFACE ELECTROMECHANICAL SWITCHING SHORT
-CIRCUIT PROTECTION W. CB DIRECT-ON-LINE
STARTER BRAKE WITHOUT PERFORMANCE CLASS
1.00A MOTOR PROTEC. CIRCUIT-BREAKER WITH
BIMETAL-THERMAL ROTARY DRIVE GRAY / BLACK
MANUAL OPERATION WITHOUT CONNEX POWER M-
SCREW CONNECTION STANDARD PRODUCT

General details:		
Design of the product		direct starter
Product function		
• bus-communication		Yes
• short circuit protection		Yes
Protocol / is supported		
• AS interface protocol		Yes
• PROFINET protocol		No
• PROFIBUS DP protocol		No
Product component / outlet for engine brake		No
Product equipment		
• brake control with 24 V DC		No
• brake control with 180 V DC		No
• brake control with 500 V DC		No
• brake control with 230 V AC		No
• brake control with 400 V AC		No
Product extension		
• braking module for brake control		No
Type of assignment		1
Width	mm	182

Height	mm	220
Depth	mm	145
Operating cycles / minimum	1/h	80
Reference code		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		A
• according to DIN EN 61346-2		Q

Control circuit:		
Type of voltage		DC
Control supply voltage		
• for DC / rated value / minimum	V	20.4
• for DC / rated value / maximum	V	26.4
Number of digital inputs		0

Main circuit:		
Design of the short-circuit protection		circuit-breakers
Type of the motor protection		bimetal
Design of the switching contact		electromechanical
Operating current / at 400 V / for AC / rated value	A	1
Operating voltage / rated value		
• minimum	V	340
• maximum	V	440
Service power		
• at AC-3 / at 400 V / rated value	kW	0.25
• for three-phase servomotors / at 400 V / at 50 Hz / minimum	kW	0.25
• for three-phase servomotors / at 400 V / at 50 Hz / maximum	kW	0.25
Adjustable response current / of the current-dependent overload release		
• initial value	A	0.7
• final value	A	1
Breaking capacity limit short-circuit current (I_{cu}) / at 400 V / rated value	A	50,000
Number of poles / for main current circuit		3

Connection type:		
Design of the electrical connection / for main current circuit		screw-type terminals

Ambient conditions:		
Protection class IP		IP55
Ambient temperature		
• during operating	°C	-25 ... +35

Certificates/approvals:

General Product Approval



Declaration of
Conformity

Test Certificates

[Type Test
Certificates/Test
Report](#)

other

[Confirmation](#)

[Environmental
Confirmations](#)

Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

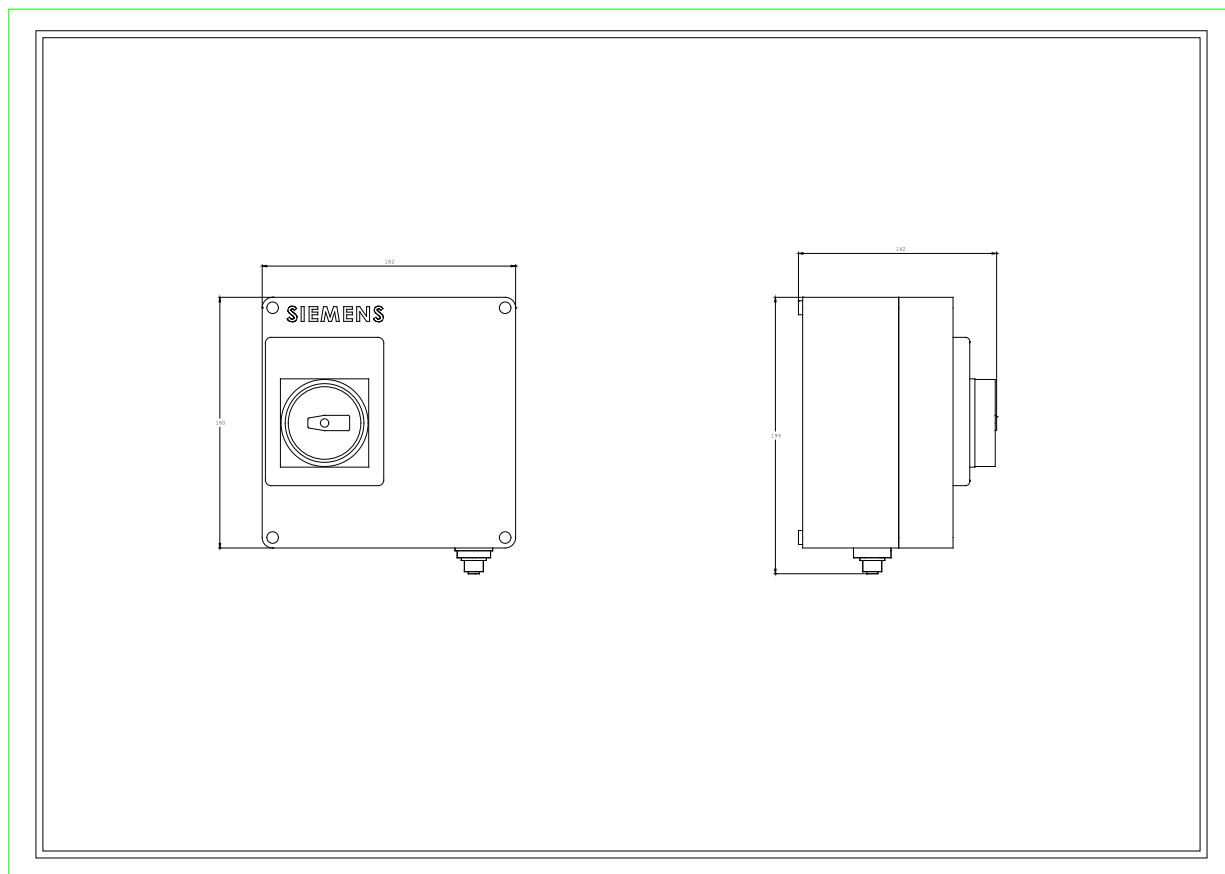
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK4320-3CR51-0BA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK4320-3CR51-0BA0



last change:

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