

SIRIUS MCU MOTOR STARTER ENC DEG. OF PROTEC.
IP54 METAL COMMUNICATION AS-INTERFACE
ELECTRONICALLY SWITCHING SHORT-CIRCUIT
PROTECT. W. CB DIRECT STARTER BREAK 400VAC
(INTERNAL) PERFORMANCE CLASS 12.00A MOTOR
PROTEC. CIRCUIT BREAKER WITH TEMPERATURE
SENSOR ROTARY DRIVE GRAY / BLACK MANUAL
OPERATION W.MO (LATCH) CONN POWER M-SCREW
GLAND CUSTOM MADE EXPORT FROM AIRPORT
DUBLIN

General details:

Product function

- bus-communication
- short circuit protection

Yes

Yes

Protocol / is supported

- AS interface protocol
- PROFINET protocol
- PROFIBUS DP protocol

Yes

No

No

Product component / outlet for enine brake

Yes

Product equipment

- brake control with 24 V DC
- brake control with 180 V DC
- brake control with 500 V DC
- brake control with 230 V AC
- brake control with 400 V AC

No

No

No

No

Yes

Product extension

- braking module for brake control

No

Type of assignment

1

Width

mm

290

Height

mm

215

Depth

mm

205

Operating cycles / minimum

1/h

80

Reference code

- according to DIN 40719 extended according to IEC 204-2 / according to IEC 750
- according to DIN EN 61346-2

A

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		2

Main circuit:

Design of the short-circuit protection		circuit-breakers
Type of the motor protection		full motor protection
Design of the switching contact		solid-state / thyristor / 2 phases
Operating current / at 400 V / for AC / rated value	A	12
Operating voltage / rated value		
• minimum	V	340
• maximum	V	460
Service power		
• at AC-3 / at 400 V / rated value	kW	5.5
• for three-phase servomotors / at 400 V / at 50 Hz / minimum	kW	1.1
• for three-phase servomotors / at 400 V / at 50 Hz / maximum	kW	5.5
Adjustable response current / of the current-dependent overload release		
• initial value	A	11
• final value	A	16
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
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Ambient conditions:

Protection class IP		IP54
Ambient temperature		
• during operating	°C	-25 ... +50

Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other
	 GOST	 EG-Konf.	Type Test Certificates/Test Report 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/3RK4422-4PQ67-0BB3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK4422-4PQ67-0BB3

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