Data sheet

RS for ET 200SP Reversing starter Expandable Setting range 0.9...3A AC-3, 1.1 kW / 400 V Hybrid starter



Figure similar

product brand name	SIMATIC
Product designation	Motor starters

General technical data:	
Product function	Reversing starter
on-site operation	Yes
 Intrinsic device protection 	Yes
 Adjustable current limitation 	Yes
 Remote firmware update 	Yes
 for power supply Reverse polarity protection 	Yes
Insulation voltage	
• rated value	500 V
Degree of pollution	2
Overvoltage category	III
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	500 V
Protection class IP	IP20

Shock resistance	6g / 11 ms
Vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
Mechanical service life (switching cycles)	
of the main contacts typical	30 000 000
Type of assignment	1
Usage category	
• acc. to IEC 60947-4-2	AC53a: 3A: (8-0,7: 70-32)
● acc. to IEC 60947-4-3	AC51: 3A: (1,2-10: 50-360)
Equipment marking	
 acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 	Q
● acc. to DIN EN 61346-2	A
Product function	
• direct start	Yes
• reverse starting	Yes
Product function Short circuit protection	Yes
Design of short-circuit protection	fuse
Trip class	CLASS 5 and 10 adjustable
Maximum short-circuit current breaking capacity (Icu)	
● at 400 V rated value	55 kA
• at 500 V rated value	55 kA
• at 500 V acc. to UL 60947 rated value	100 kA
Electromagnetic compatibility:	
EMC emitted interference	
● acc. to IEC 60947-1	class A
Conducted interference	
• due to burst acc. to IEC 61000-4-4	2 kV
 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV
 due to conductor-conductor surge acc. to IEC 61000-4-5 	1 kV
Field-bound parasitic coupling acc. to IEC 61000-4-3	10 V/m
Electrostatic discharge acc. to IEC 61000-4-2	8 kV air discharge
Conducted HF-interference emissions acc. to CISPR11	Class A for industrial environment
Field-bound HF-interference emission acc. to CISPR11	Class A for industrial environment
Inputs/ Outputs:	
Number of digital inputs	4
Main circuit:	
Number of poles for main current circuit	3
Design of the switching contact	Hybrid

Adjustable pick-up value current of the current- dependent overload release	0.9 3 A
Minimum load [% of IM]	20 %
Type of the motor protection	solid-state
Operating voltage	
• rated value	48 500 V
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
Operating range relative to the operating voltage at AC	
● at 50 Hz	48 500 V
Operating current	
• at AC at 400 V rated value	3 A
Operating power	
 for three-phase motors at 400 V at 50 Hz minimum 	0.21 kW
 for three-phase motors at 400 V at 50 Hz maximum 	1.1 kW
Supply voltage:	
Type of voltage of the supply voltage	DC
Control circuit/ Control:	
Type of voltage of the control supply voltage	DC
Control supply voltage 1	
• at DC rated value	20.4 28.8 V
Control current	
at DC in standby mode	85 mA
at DC during operation	140 mA
at DC when switching on	230 mA
Switch-on delay time	20 25 ms
Off-delay time	20 35 ms
Power loss [W] in auxiliary and control circuit	
in switching state OFF	
— with bypass circuit	1.6 W
— without bypass circuit	0 W
● in switching state ON	
— with bypass circuit	2.9 W
— without bypass circuit	0 W
without bypass offcult	•
nstallation/ mounting/ dimensions:	
Mounting type	pluggable in BaseUnit
	142 mm
Height	
Width Depth	30 mm 150 mm

Required spacing • with side-by-side mounting — upwards — downwards So mm Ambient conditions: Installation altitude at height above sea level mandmum Ambient temperature • during operation • during storage • during riansport • during riansport • during storage • during transport • during operation 10 95 % Relative humidity during operation 10 95 % Air pressure • acc. to SN 31205 Communication/ Protocol: Product function Bus communication Protocol • is supported PROFIBUS DP protocol • is supported PROFIBUS DP protocol • is supported PROFIBUS DP protocol • is supported PROFIenergy shutdown Product function • supports PROFIenergy shutdown Yes Connections/ Terminals: Type of electrical connection • for main energy infeed • for load-side outgoing feeder • for supply voltage line-side Plug contact to Base Unit Plug contact to Base Unit Wire length for motor unshielded maximum 200 m ULICSA ratings: Full-load current (FLA) for three-phase AC motor • at 480 V rated value • for three-phase AC motor — at 110/120 V rated value • for three-phase AC motor — at 200/208 V rated value • for three-phase AC motor — at 200/208 V rated value • for three-phase AC motor — at 200/208 V rated value — at 220/230 V rated value • 15 hp Convention to the produce of the pr			
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— at 220/230 V rated value 0.5 hp — at 460/480 V rated value 1.5 hp	• for three-phase AC motor		
— at 460/480 V rated value 1.5 hp	— at 200/208 V rated value	0.5 hp	
	— at 220/230 V rated value	0.5 hp	
Operating voltage	— at 460/480 V rated value	1.5 hp	
Operating voltage	Operating voltage		

480 V

Certificates/approvals

General Product Approval Declaration of Test other
Conformity Certificates









Typprüfbescheinigu ng/Werkszeugnis

Bestätigungen

other

PROFINET-Zertifizierung

Further information

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK13080BC000CP0

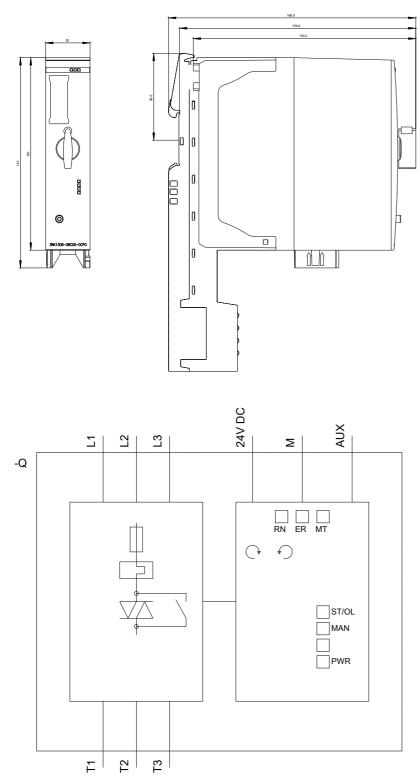
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13080BC000CP0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RK13080BC000CP0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK13080BC000CP0&lang=en



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