## Data sheet

Reversing starter electronic switching electr. overload protection up to 0.25 KW / 400 V;0.3A...1A Option: 3DI/LC module PROFlenergy



#### Figure similar

Product brand name	SIMATIC
Product category	Motor starter
Product type designation	ET 200SP

General technical data	
Equipment variant acc. to IEC 60947-4-2	3
Product function	Reversing starter
<ul><li>on-site operation</li></ul>	Yes
<ul> <li>Intrinsic device protection</li> </ul>	Yes
<ul> <li>Remote firmware update</li> </ul>	Yes
<ul> <li>for power supply Reverse polarity protection</li> </ul>	Yes
Power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.02 W
Insulation voltage	
• rated value	500 V
Degree of pollution	2
Overvoltage category	III
Surge voltage resistance rated value	6 kV

500 V
IP20
6g / 11 ms
15 mm to 6 Hz; 2g to 500 Hz
30 000 000
1
AC53a: 1A: (8-0,7: 70-32)
Q
A
Yes
Yes
No
Yes
fuse
CLASS 5 and 10 adjustable
55 kA
55 kA
100 kA
55 kA
55 kA
class A
Class A
2 kV
2 kV
1 kV
Class A
10 V/m
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
Safety related data	
MTBF	47 y
Safe state	Load circuit open
Protection against electrical shock	finger-safe
Inputs/ Outputs	
Number of digital inputs	4
• Note	4 via 3DI/LC module
Response times	
Switch-on delay time	20 ms
Off-delay time	35 50 ms
Main circuit	
Number of poles for main current circuit	3
Design of the switching contact	Hybrid
Adjustable pick-up value current of the current-	0.3 1 A
dependent overload release	
Minimum load [% of IM]	50 %
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
Relative symmetrical tolerance of the operating frequency	5 %
Operating range relative to the operating voltage at AC	
● at 50 Hz	48 500 V
Operating current	
• at AC at 400 V rated value	1 A
Ampacity when starting maximum	10 A
Operating power for three-phase motors at 400 V at 50 Hz	0.09 0.25 kW
Supply voltage	
Type of voltage of the supply voltage	DC
Supply voltage 1 at DC rated value	
• minimum permissible	20.4 V
<ul> <li>maximum permissible</li> </ul>	28.8 V
Supply voltage at DC rated value	24 V
Consumed current for rated value of supply voltage	

<ul><li>in standby mode</li></ul>	85 mA
during operation	140 mA
<ul><li>when switching on</li></ul>	230 mA
Power loss [W] for rated value of supply voltage	
<ul> <li>in switching state OFF with bypass circuit</li> </ul>	2 W
• in switching state ON with bypass circuit	3.4 W

Installation/ mounting/ dimensions	
Mounting position	Vertical, horizontal, flat (observe derating)
Mounting type	pluggable in BaseUnit
Height	142 mm
Width	30 mm
Depth	150 mm
Required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— upwards	50 mm
— downwards	50 mm

Ambient conditions	
Installation altitude at height above sea level	
• maximum	4 000 m; For derating see manual
Ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during operation maximum</li> </ul>	For derating see manual
during storage	-40 +70 °C
during transport	-40 +70 °C
Environmental category during operation acc. to IEC	3K6 (no formation of ice, no condensation), 3C3 (no salt mist),
60721	3S2 (sand must not get into the devices)
Relative humidity during operation	10 95 %
Air pressure	
• acc. to SN 31205	900 1 060 hPa

Communication/ Protocol	
Protocol is supported	
<ul> <li>PROFIBUS DP protocol</li> </ul>	Yes
<ul> <li>PROFINET protocol</li> </ul>	Yes
Product function Bus communication	Yes
Protocol is supported	
<ul> <li>AS-interface protocol</li> </ul>	No
Product function	
<ul> <li>supports PROFlenergy measured values</li> </ul>	Yes
<ul><li>supports PROFlenergy shutdown</li></ul>	Yes
Address space memory of address range	
• of inputs	4 byte

• of outputs	2 byte
Type of electrical connection	
• of the communication interface	Plug contact to Base Unit

Connections/Terminals	
Type of electrical connection	
<ul> <li>1 for digital input signals</li> </ul>	Pluggable module - accessory
Type of electrical connection	
• for main energy infeed	Plug contact to Base Unit
<ul> <li>for load-side outgoing feeder</li> </ul>	Plug contact to Base Unit
<ul> <li>for supply voltage line-side</li> </ul>	Plug contact to Base Unit
Wire length for motor unshielded maximum	200 m

UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
● at 480 V rated value	1 A
Current with locked rotor (LRA) for three-phase AC motor at 480 V rated value	8 A
Operating voltage	
• at AC at 60 Hz acc. to CSA and UL rated value	480 V

### Certificates/approvals

# General Product Approval Declaration of Conformity Certificates











Type Test
Certificates/Test
Report

## **Shipping Approval**

other





Confirmation

Environmental Confirmations

PROFINET-Certification

### 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=3RK1308-0BB00-0CP0

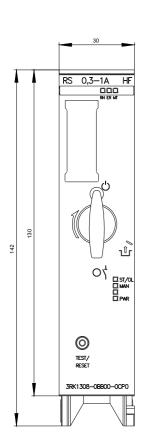
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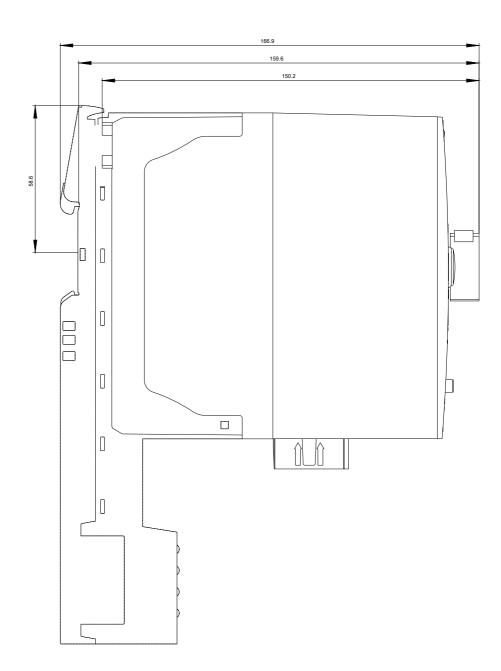
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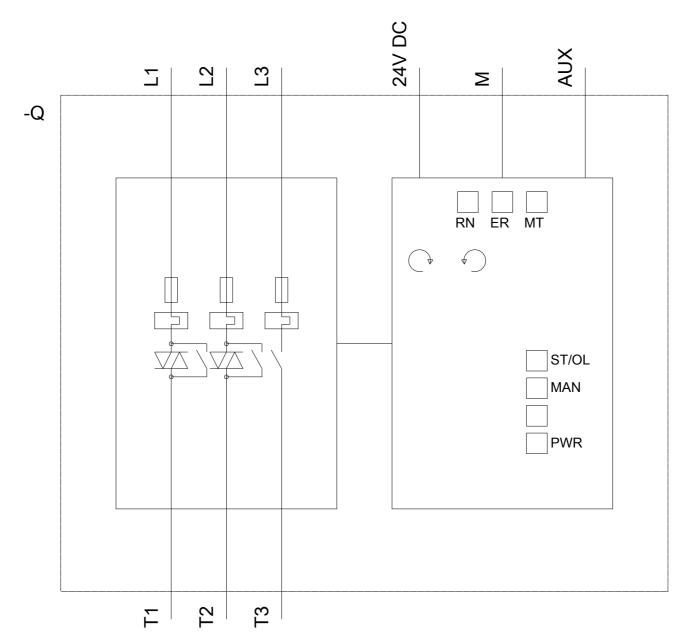
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RK1308-0BB00-0CP0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1308-0BB00-0CP0&lang=en







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