D-O-L starter electronic switching electr. overload protection up to 5.5 kW/400 V;4.0A to 12A Option: 3DI/LC High Feature 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	Direct-on-line starter
on-site operation	Yes
 Intrinsic device protection 	Yes
 Remote firmware update 	Yes
 for power supply Reverse polarity protection 	Yes
Power loss [W] for rated value of the current	
 at AC in hot operating state per pole 	2.6 W
Insulation voltage	
• rated value	500 V
Degree of pollution	2
Overvoltage category	III
Surge voltage resistance rated value	6 kV

500.1/
500 V
IP20
6g / 11 ms
15 mm to 6 Hz; 2g to 500 Hz
30 000 000
1
AC53a: 12A: (8-0,5: 72-32)
AC51: 12A: (1,2-10: 50-360); AC55a: 5A: (3-240: 40-6)
Q
A
Yes
No
No
Yes
fuse
CLASS 5 and 10 adjustable
55 kA
55 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	46 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-	4 12 A
dependent overload release	
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
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	12 A
Ampacity when starting maximum	100 A
Operating power for three-phase motors at 400 V at 50 Hz	2.2 5.5 kW
Supply voltage	
Type of voltage of the supply voltage	DC
Supply voltage 1 at DC rated value	
• minimum permissible	20.4 V
 maximum permissible 	28.8 V
Supply voltage at DC rated value	24 V
Consumed current for rated value of supply voltage	

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

Installation/ mounting/ dimensions	
Vertical, horizontal, flat (observe derating)	
pluggable in BaseUnit	
142 mm	
30 mm	
150 mm	
50 mm	
50 mm	

Ambient conditions	
Installation altitude at height above sea level	
• maximum	4 000 m; For derating see manual
Ambient temperature	
 during operation 	-25 +60 °C
 during operation maximum 	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	
 PROFIBUS DP protocol 	Yes
 PROFINET protocol 	Yes
Product function Bus communication	Yes
Protocol is supported	
AS-interface protocol	No
Product function	
 supports PROFlenergy measured values 	Yes
supports PROFlenergy shutdown	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	
 1 for digital input signals 	Pluggable module - accessory
Type of electrical connection	
• for main energy infeed	Plug contact to Base Unit

200 m

Certificates/approvals

General Product Approval

for load-side outgoing feederfor supply voltage line-side

Wire length for motor unshielded maximum

Declaration of Conformity

Test Certificates









Plug contact to Base Unit

Plug contact to Base Unit



Type Test
Certificates/Test
Report

Shipping Approval

other





Environmental Confirmations

Confirmation

PROFINET-Certification

Further information

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

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

Industry Mall (Online ordering system)

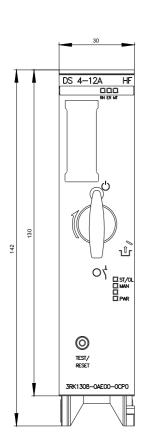
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1308-0AE00-0CP0

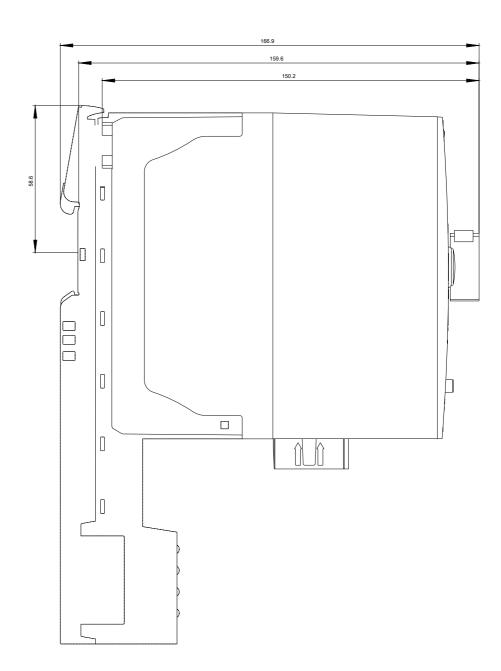
Cax online generator

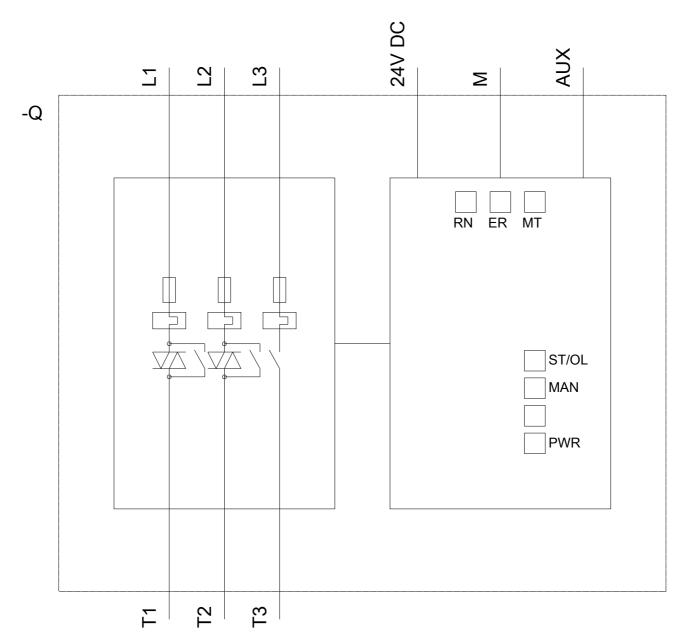
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1308-0AE00-0CP0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1308-0AE00-0CP0&lang=en







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