Data sheet

3RK1308-0AB00-0CP0



Direct-on-line starter High Feature; Electronic switching; Electronic overload protection up to 0.25 kW / 400 V; Adjustment range 0.3 .. 1 A; PROFlenergy; Option: 3DI/LC module

product brand name	SIMATIC
product category	Motor starter
product designation	Direct-on-line starter
product type designation	ET 200SP
General technical data	
equipment variant according 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
insulation voltage rated value	500 V
degree of pollution	2
overvoltage category	III
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
 between main and auxiliary circuit 	500 V
shock resistance	6g / 11 ms
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
operating frequency maximum	1 1/s
mechanical service life (operating cycles) of the main contacts typical	30 000 000
type of assignment	1
utilization category	
according to IEC 60947-4-2	AC-53a: 1 A: (8-0,7: 70-32)
according to IEC 60947-4-3	AC-51: 1 A: (1,2-10: 50-360)
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	04/15/2016
product function	
direct start	Yes
reverse starting	No
product component motor brake output	No
product function short circuit protection	Yes
design of short-circuit protection	fuse
maximum short-circuit current breaking capacity (Icu)	
• at 400 V rated value	55 kA
• at 500 V rated value	55 kA
 at 500 V according to UL 60947 rated value 	100 kA
maximum short-circuit current breaking capacity (Icu) in the IT network	
at 400 V rated value	55 kA

• at 500 V rated value	55 kA
Electromagnetic compatibility	
EMC emitted interference according to IEC 60947-1	class A
EMC immunity according to IEC 60947-1	Class A
conducted interference	
 due to burst according to IEC 61000-4-4 	2 kV
due to conductor-earth surge according to IEC 61000-4-5	2 kV
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV
 due to high-frequency radiation according to IEC 61000- 4-6 	Class A
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	8 kV air discharge
conducted HF interference emissions according to CISPR11	Class A for industrial environment
field-bound HF interference emission according to CISPR11	Class A for industrial environment
Safety related data	
safe state	Load circuit open
MTBF	48 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
Main circuit	2
number of poles for main current circuit	3 Llubrid
design of the switching contact adjustable current response value current of the current-	0.3 1 A
dependent overload release minimum load [%]	50 %; from smallest adjustable rated current
	solid-state
type of the motor protection operating voltage rated value	48 500 V
relative symmetrical tolerance of the operating voltage	10 %
operating frequency 1 rated value	50 Hz
operating frequency 2 rated value	60 Hz
relative symmetrical tolerance of the operating frequency	5 %
relative positive tolerance of the operating frequency	5 %
relative negative tolerance of the operating frequency	5 %
operational current at AC at 400 V rated value	1 A
ampacity when starting maximum	10 A
operating power for 3-phase motors at 400 V at 50 Hz	0.09 0.25 kW
Inputs/ Outputs	
number of digital inputs	4
• note	4 via 3DI/LC module
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 of operation	85 mA
during operation	140 mA
at switching on of motor Payor loca IMI for rated value of symply valtage.	230 mA
power loss [W] for rated value of supply voltage	2 W
in switching state OFF with bypass circuit in switching state ON with bypass circuit	2 W
in switching state ON with bypass circuit inrush current peak at 24 V	3.4 W 25 A; Observe the manual for group configuration
duration of inrush current peak at 24 V	25 A; Observe the manual for group configuration 0.145 ms
Response times	0.110 1110
ON-delay time	20 ms
OFF-delay time	35 50 ms
Power Electronics	
operational current	
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UL/CSA ratings	able module - accessory
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value	contact to Base Unit contact to Base Unit contact to Base Unit
operating voltage at AC at 60 Hz according to CSA and UL rated value 480	contact to Base Unit contact to Base Unit contact to Base Unit
Certificates/ approvals	able module - accessory contact to Base Unit contact to Base Unit contact to Base Unit
General Product Approval	pable module - accessory contact to Base Unit contact to Base Unit contact to Base Unit



Confirmation









Declaration of Conformity Test Certificates Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation



Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1308-0AB00-0CP0

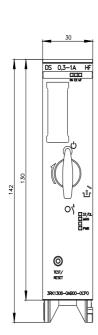
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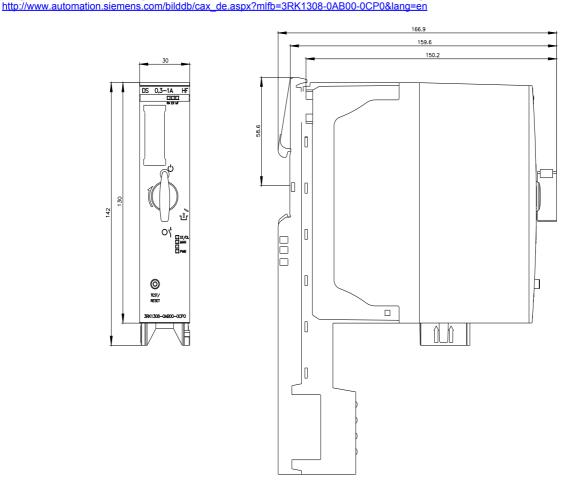
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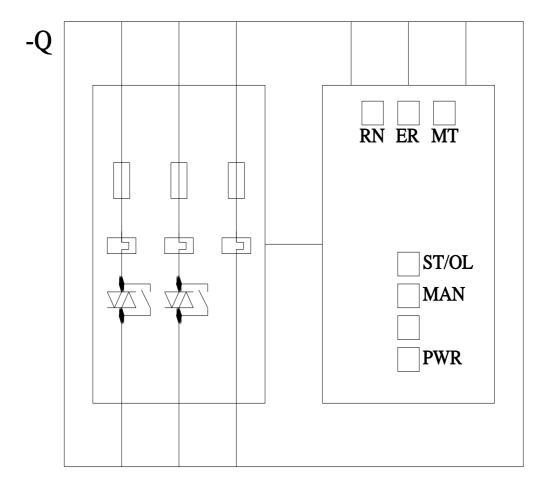
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RK1308-0AB00-0CP0

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







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