



Figure similar

ET 200pro DSE ST DOL starter Standard Mechanical switching Electronic overload protection AC-3, 0.9 kW / 400 V 0.15 A...2.00 A Brake contact 400 V AC Han Q4/2 - Han Q8/0

product brand name	SIMATIC
product designation	Motor starters
design of the product	direct starter
product type designation	ET 200pro
<b>General technical data</b>	
product function on-site operation	Yes
insulation voltage rated value	400 V
degree of pollution	3
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation between main and auxiliary circuit	400 V
shock resistance	15g / 11 ms
vibration resistance	2g
mechanical service life (operating cycles) of the main contacts typical	30 000 000
type of coordination	1
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Lead titanium zirconium oxide - 12626-81-2
Weight	1.71 kg
product function	
• direct start	Yes
• reverse starting	No
product component motor brake output	Yes
product feature	
• brake control with 230 V AC	No
• brake control with 400 V AC	Yes
• brake control with 24 V DC	No
• brake control with 180 V DC	No
• brake control with 500 V DC	No
type of voltage of the supply voltage for brake control required	AC
supply voltage for brake control required	400 V
product function short circuit protection	Yes
design of short-circuit protection	fuse
maximum short-circuit current breaking capacity (Icu)	
• at 400 V rated value	100 000 A

<b>Safety related data</b>	
<b>proportion of dangerous failures</b>	
• with low demand rate according to SN 31920	50 %
• with high demand rate according to SN 31920	75 %
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000
<b>failure rate [FIT] with low demand rate according to SN 31920</b>	100 FIT
<b>IEC 61508</b>	
T1 value for proof test interval or service life according to IEC 61508	20 a
<b>Electrical Safety</b>	
<b>touch protection against electrical shock</b>	finger-safe
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>design of the switching contact</b>	electromechanical
<b>adjustable current response value current of the current-dependent overload release</b>	0.15 ... 2 A
<b>type of the motor protection</b>	solid-state
<b>type of voltage</b>	AC
operating voltage rated value	200 ... 400 V
operating range relative to the operating voltage at AC at 50 Hz	200 ... 440 V
<b>operational current</b>	
• at AC at 400 V rated value	2 A
• at AC-3 at 400 V rated value	2 A
<b>operating power</b>	
• at AC-3 at 400 V rated value	900 W
operating power for 3-phase motors at 400 V at 50 Hz	70 ... 900 W
<b>Inputs/ Outputs</b>	
<b>product function</b>	
• digital inputs parameterizable	No
• digital outputs parameterizable	No
<b>number of digital inputs</b>	0
<b>number of sockets</b>	
• for digital output signals	0
• for digital input signals	0
<b>Supply voltage</b>	
<b>type of voltage of the supply voltage</b>	DC
<b>supply voltage 1 at DC</b>	24 ... 24 V
<b>supply voltage 1 at DC rated value</b>	
• minimum permissible	20.4 V
• maximum permissible	28.8 V
<b>Control circuit/ Control</b>	
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC rated value</b>	20.4 ... 28.8 V
<b>control supply voltage 1 at DC rated value</b>	20.4 ... 28.8 V
<b>control supply voltage 1 at DC</b>	24 ... 24 V
<b>power loss [W] in auxiliary and control circuit</b>	
• in switching state OFF	
— with bypass circuit	1.6416 W
— without bypass circuit	1.6416 W
• in switching state ON	
— with bypass circuit	3.888 W
— without bypass circuit	3.888 W
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	vertical, horizontal
<b>fastening method</b>	screw fixing
<b>height</b>	230 mm
<b>width</b>	110 mm
<b>depth</b>	150 mm
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	3 500 m

<b>ambient temperature</b>	
• during operation	-25 ... +55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity during operation	5 ... 95 %

#### Communication/ Protocol

<b>protocol is supported</b>	
• PROFIBUS DP protocol	Yes
• PROFINET protocol	Yes
design of the interface PROFINET protocol	Yes
<b>product function bus communication</b>	Yes
protocol is supported AS-Interface protocol	No
<b>product function</b>	
• supports PROFinergy measured values	Yes
• supports PROFinergy shutdown	Yes
<b>address space memory of address range</b>	
• of the inputs	2 byte
• of the outputs	2 byte
type of electrical connection of the communication interface	via backplane bus

#### Connections/ Terminals

<b>type of electrical connection</b>	
• for main current circuit	tab terminals
<b>type of electrical connection</b>	
• 1 for digital input signals	M12 socket
• 2 for digital input signals	M12 socket
• 3 for digital input signals	M12 socket
• 4 for digital input signals	M12 socket
<b>type of electrical connection</b>	
• at the manufacturer-specific device interface	optical interface
• for main energy infeed	socket according to ISO23570
• for load-side outgoing feeder	socket according to ISO23570
• for main energy transmission	socket according to ISO23570
• for supply voltage line-side	via backplane bus
• for supply voltage transmission	via backplane bus

#### UL/CSA ratings

operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V
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#### Approvals Certificates

General Product Approval	EMV
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Test Certificates	other	Dangerous goods	Environment
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[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Transport Information](#)

[Environmental Conformations](#)

#### Further information

##### Information on the packaging

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

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

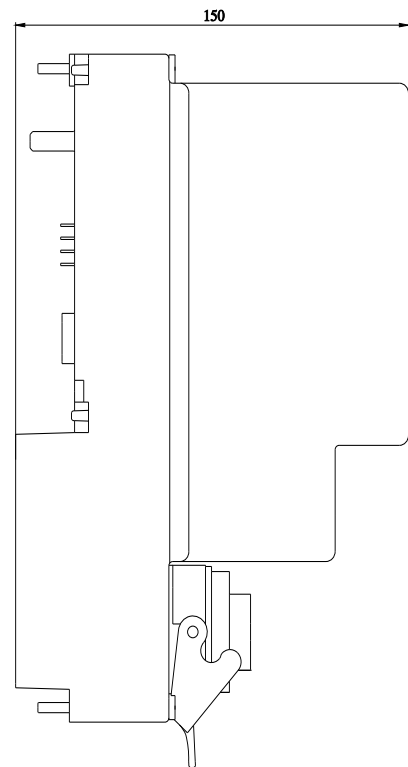
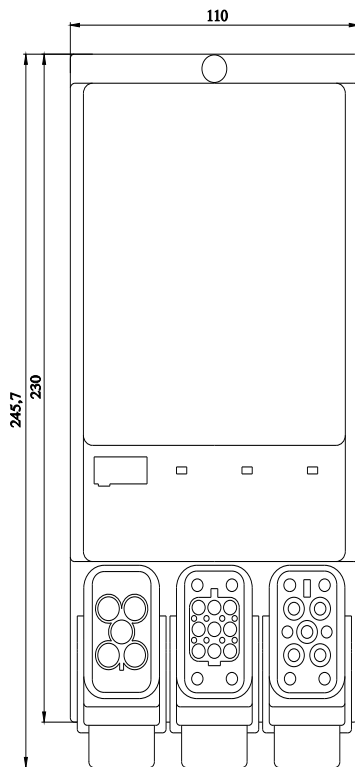
<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1304-5KS40-4AA3>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-5KS40-4AA3>



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