# SIEMENS

## **Product data sheet**

### 3RK1301-1BB00-0AA2



DS1-X FOR ET 200S ELECTROMECHANICS LINE STARTER EXPANDABLE ADJUSTABLE RANGE 1.4...2.0A AC-3, 0.75 KW/400V FOR BRAKE CONTROL MODULE

General technical data: product brand name Sirius **Product designation** motor starter ET 200S Design of the product direct starter Product function • bus-communication Yes direct start Yes • reverse starting No • on-site operation Yes short circuit protection Yes Design of the switching contact electromechanical Product component / outlet for enine brake Yes **Trip class** CLASS 10 Type of assignement 2 **Product equipment** • brake control with 230 V AC No • brake control with 24 V DC No • brake control with 180 V DC No • brake control with 500 V DC No Product extension / braking module for brake control Yes

	_				
Impulse voltage resistance / rated value	kV	6			
Insulation voltage / rated value	V	500			
Active power loss / typical	W	10			
Maximum permissible voltage for safe disconnection / between main circuit and auxiliary circuit	V	400			
Reference code					
according to DIN EN 61346-2		Q			
<ul> <li>according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> </ul>		A			
Mounting type	_	Can be plugged into terminal module			
Depth	mm	120			
Height	mm	265			
Width	mm	45			
Main circuit:					
Operating voltage					
rated value	V	400 500			
Adjustable response current					
<ul> <li>of the current-dependent overload release</li> </ul>	А	1.4 2			
Service power					
• at AC-3 / at 400 V / rated value	kW	0.75			
<ul> <li>for three-phase servomotors / at 400 V / at 50 Hz</li> </ul>					
• minimum	kW	0.75 0.75			
Breaking capacity limit short-circuit current (Icu) / at 400 V / rated value	kA	50			
Design of the short-circuit protection		circuit-breakers			
Number of poles / for main current circuit	_	3			
Type of the motor protection		bimetal			
Mechanical operating cycles as operating time / of the main contacts / typical		100,000			
Control circuit:					
Voltage type / of control feed voltage		DC			
Control supply voltage / 1					
• for DC	V	24 24			
Control supply voltage / 1 / for DC					
rated value	V	20.4 28.8			
Supply voltage:					
Type of / supply voltage		DC			
Supply voltage / 1					
• for DC	V	24 24			

Supply voltage / 1 / for DC				
rated value	V	20.4 28.8		
	_			
Ambient conditions:				
Protection class IP	_	IP20		
Ambient temperature				
during operating	°C	0 60		
during storage	°C	-40 +70		
during transport	°C	-40 +70		
Relative humidity				
during operating phase	%	5 95		
Resistance against vibration		2g		
Resistance against shock		5g / 11 ms		
Degree of pollution		3 at 400 V, 2 at 500 V according to IEC60664 (IEC61131)		
Installation altitude / at a height over sea level / maximum	m	2,000		
mounting position		vertical, horizontal		
Communication:				
Protocol / is supported				
PROFIBUS DP protocol		Yes		
PROFINET protocol		Yes		
AS interface protocol		No		
Design of the interface / PROFINET protocol		Yes		
Design of the electrical connection	_			
of the communication interface		via backplane bus		
<ul> <li>for communication transmission</li> </ul>		via backplane bus		
Connections:				
Number of digital inputs		0		
Number of sockets	_			
for digital input signals		0		
for digital output signals		0		
Product function				
digital inputs parameterizable		No		
digital outputs parameterizable		No		
Design of the electrical connection				
• 1 / for digital input signals		using control module		
• 2 / for digital input signals		using control module		
• at the manufacturer-specific device interface		plug		
for main energy infeed		screw-type terminals		

for motor outgoing line				screw-type terminals		
for main energy transmission			via energy bus			
<ul> <li>for supply voltage infeed</li> </ul>			via backplane bus			
<ul> <li>for supply voltage transmission</li> </ul>				via backplane bus		
for main current circuit				screw-type terminals		
EMC:						
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4				2 kV on voltage supply, inputs and outputs		
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5				2 kV (U > 24 V DC)		
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5			1 kV (U > 24 V DC)			
Field-bound parasitic coupling / according to IEC 61000-4-3			80 MHz 1 GHz 10 V/m, 1.4 GHz2 Hz 3 V/m, 2 GHz 2.7 GHz 1 V/m			
Verification of suitability				CE / UL / CSA / CCC		
Protection against electrical shock			finger-safe			
Certificates/approv	vals:					
General Product Ap	oproval				For use in hazardous locations	
	(SA)	EAC	GOST		K ATEX	
Declaration of Conformity	Test Certificates	other				
EG-Konf.	<u>Type Test</u> Certificates/Test <u>Report</u>	Environmental Confirmations				

## Further information:

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

#### Industry Mall (Online ordering system)

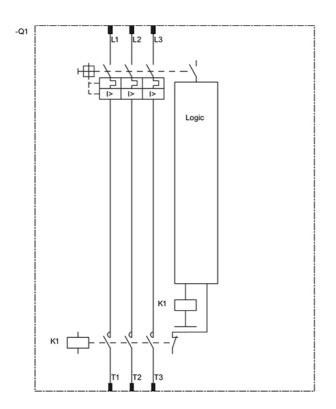
http://www.siemens.com/industrial-controls/mall

#### CAx-Online-Generator

http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RK1301-1BB00-0AA2/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RK1301-1BB00-0AA2



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