SIEMENS

Product data sheet 3RK1325-6KS41-2AA3



SIRIUS MOTOR STARTER M200D AS-I COMMUNICATION: AS-INTERFACE DIRECT ON-LINE STARTER STANDARD MECHANICAL SWITCHING 3 400V AC/0,9KW;

0,15A...2,00A;

ELECTRONIC OVERLOAD PROTECTION; THERMISTOR: THERMOCLICK / PTC WITH BRAKE CONTACT 400V AC 4DI / 1DO AS-I HAN Q4/2 - HAN Q8/0 WITH OPERATOR TERMINAL AND KEY-OPERATED SWITCH

General technical data:		
product brand name	SIRIUS	
product designation	motor st	tarter M200D, AS-i Standard
Design of the product	direct st	tarter
Product function		
direct start	Yes	
reverse starting	No	
short circuit protection	Yes	
bus-communication	Yes	
Design of the switching contact	electron	nechanical
Product component / outlet for enine brake	Yes	
Trip class	CLASS	5, 10, 15, 20
Type of assignement	2	
Product equipment		
• brake control with 230 V AC	Yes	
• 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	
Product extension / braking module for brake control	No	

Start-up delay time ms 65 Switch-off delay time ms 65 Insulation voltage / rated value V 500 Active power fost yipical WW 30 Maximum permissible voltage for safe disconnection V 400 • between radin circuit and auxiliary circuit V 400 • between radin circuit and auxiliary circuit V 24 Item designation *** *** • according to DIN EN 61346-2 Q *** Type of mounting screw fixing Width mm 294 Height mm 215 Depth mm 215 Main circuit: *** *** Walked value • rated value V 360 440 Adjustable response current A 0.15 2 • Operating current / at AC-3 at 400 V A 2 • rated value A 2 • niminum WM 0.75 Service power / at AC-3 W 75<	Impulse voltage resistance / rated value	V	6,000
Insulation voltage / rated value	Start-up delay time	ms	85
Active power loss / typical Maximum permissible voltage for safe disconnection • between main circuit and auxiliary circuit • between control and auxiliary circuit • caccording to DIN EN 61346-2 Type of mounting Width mm 294 Height mm 215 Depth mm 159 Main circuit: Operating voltage • rated value • rated value • of the current-dependent overload release • of the current-dependent overload release A 0.15 2 Operating current / at AC-3 / at 400 V • rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum kW 0.06 0.75 Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value Presign of the short-circuit protection Breaking capacity limit short-circuit current (lcu) • at 400 V / rated value • at 500 V /	Switch-off delay time	ms	65
Maximum permissible voltage for safe disconnection • between main circuit and auxiliary circuit • between control and suxiliary circuit • according to DIN EN 61346-2 Type of mounting Width Peight Depth Main circuit: Operating voltage • rated value • rated value • of the current-dependent overload release • at 400 V at 40-3 at 400 V • rated value • service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum kW 0.06 0.75 Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value • at 5	Insulation voltage / rated value	V	500
between main circuit and auxiliary circuit between control and auxiliary circuit tem designation according to DIN EN 61346-2 Type of mounting Width Height Depth mm 294 Height Depth Main circuit: Coperating voltage rated value Adjustable response current of the current-dependent overload release A 0.15 2 Coperating current / at AC-3 / at 400 V / at 50 Hz riminimm kW 0.06 0.75 Service power / for three-phase servomotors / at 400 V / at 50 Hz riminimm kW 0.75 Service power / at AC-3 at 400 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Ereaking capacity limit short-circuit current (lcu) at 400 V / rated value A 50,000 A 50,000 Type of the motor protection Control supply voltage / 1 / for DC / rated value / permissible minimum V 24 Control supply voltage / 1 / for DC / rated value / permissible minimum V 24 V 28.8	Active power loss / typical	W	30
tem designation *according to DIN EN 61346-2 Type of mounting Width Height mm 294 Height mm 215 Depth mm 159 Main circuit: Operating voltage *rated value A 0.15 2 Operating current / at AC-3 / at 400 V *rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz *minimum Service power / at AC-3 *at 400 V / rated value Number of poles / for main current circuit Design of the short-circuit current (lcu) *at 400 V / rated value A 50,000 Brasking capacity limit short-circuit current (lcu) *at 400 V / rated value *at 500 V /	Maximum permissible voltage for safe disconnection		
tem designation	between main circuit and auxiliary circuit	V	400
**according to DIN EN 61346-2 Type of mounting Width	between control and auxiliary circuit	V	24
Type of mounting Width mm 294 Height mm 215 Depth mm 169 Main circuit: Operating voltage *rated value	Item designation		
Width mm 294 Height mm 215 Depth mm 159 Main circuit: Operating voltage	according to DIN EN 61346-2		Q
Height mm 215 Depth mm 159 Main circuit: Operating voltage *rated value	Type of mounting		screw fixing
Main circuit: Operating voltage • rated value Adjustable response current • of the current-dependent overload release Operating current / at AC-3 / at 400 V • rated value A	Width	mm	294
Main circuit: Operating voltage • rated value Adjustable response current • of the current-dependent overload release A 0.15 2 Operating current / at AC-3 / at 400 V • rated value A 2 Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum **W** **W** **O.75 Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 500 V / rated value • at 400 V / rated value • at 500 V / rated value • at 50	Height	mm	215
Perating voltage • rated value Adjustable response current • of the current-dependent overload release A 0.15 2 Operating current / at AC-3 / at 400 V • rated value A 2 Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum kW 0.06 0.75 Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 500 V / rated value • at 400 V / rated value • at 400 V / rated value • at 500 V / rated value • at 400 V / rated value • at 400 V / rated value • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 50	Depth	mm	159
Perating voltage • rated value Adjustable response current • of the current-dependent overload release A 0.15 2 Operating current / at AC-3 / at 400 V • rated value A 2 Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum kW 0.06 0.75 Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 500 V / rated value • at 400 V / rated value • at 400 V / rated value • at 500 V / rated value • at 400 V / rated value • at 400 V / rated value • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 50	Main circuit		
• rated value Adjustable response current • of the current-dependent overload release Operating current / at AC-3 / at 400 V • rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum KW 0.06 0.75 Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value Control circuit: Type of the motor protection Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible minimum V 360 4400 A 2 Control supply voltage / 1 / for DC / rated value / permissible minimum V 360 4400 A 2 Control supply voltage / 1 / for DC / rated value / permissible minimum V 248			
Adjustable response current of the current-dependent overload release A 0.15 2 Operating current / at AC-3 / at 400 V rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz minimum kW 0.06 0.75 Service power / at AC-3 at 400 V / rated value at 400 V / rated value W 750 Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (lcu) at 400 V / rated value A 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible minimum A 0.15 2 A 2 Service power / at AC-3 A 2 Service power / at AC-3 A 2 Service power / at AC-3 A 50,006 A 50,000 Type of the motor protection DC Control supply voltage / 1 / for DC / rated value / permissible minimum A 2 Service power / at AC-3 A 50,006 A 50,000 DC Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible V 24		V	360 440
* of the current-dependent overload release Operating current / at AC-3 / at 400 V * rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz * minimum * minimum * MW * 0.06 0.75 Service power / at AC-3 * at 400 V / rated value * at 500 V / rated value * at 500 V / rated value * Too Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (lcu) * at 400 V / rated value * A * 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible V 28.8		V	300 440
Operating current / at AC-3 / at 400 V • rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum • at 400 V / rated value • at 500 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500		۸	0.15 2
• rated value Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value A 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible minimum A 2 Control supply voltage / 1 / for DC / rated value / permissible minimum A 2 Control supply voltage / 1 / for DC / rated value / permissible V 28.8	<u> </u>	- ^	0.13 2
Service power / for three-phase servomotors / at 400 V / at 50 Hz • minimum Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (lcu) • at 400 V / rated value • at 500 V /		۸	2
* minimum * kW			
Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value A 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible V 28.8		k\\\	0.06 0.75
 at 400 V / rated value at 500 V / rated value W 750 Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) at 400 V / rated value at 500 V / rated value A 50,000 Type of the motor protection Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible V 28.8 			0.00 0.70
• at 500 V / rated value Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value A 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible V 28.8		k\//	0.75
Number of poles / for main current circuit Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible V 28.8			
Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible Control supply voltage / 1 / for DC / rated value / permissible V 28.8		•	
Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value A 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible V 28.8			
• at 400 V / rated value • at 500 V / rated value A 50,000 Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible V 28.8			
• at 500 V / rated value Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible V 28.8		Α	50.000
Type of the motor protection Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value Control supply voltage / 1 / for DC / rated value / permissible minimum Control supply voltage / 1 / for DC / rated value / permissible / 28.8			
Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value Control supply voltage / 1 / for DC / rated value / permissible wininimum Control supply voltage / 1 / for DC / rated value / permissible V 28.8			
Type of voltage / of the controlled supply voltage Control supply voltage / 1 / for DC / rated value Control supply voltage / 1 / for DC / rated value / permissible wininimum V 24 Control supply voltage / 1 / for DC / rated value / permissible V 20.4 Control supply voltage / 1 / for DC / rated value / permissible V 28.8			,
Control supply voltage / 1 / for DC / rated value Control supply voltage / 1 / for DC / rated value / permissible	Control circuit:		
Control supply voltage / 1 / for DC / rated value / permissible Windows 20.4 Control supply voltage / 1 / for DC / rated value / permissible V 28.8			DC
minimum Control supply voltage / 1 / for DC / rated value / permissible V 28.8	Control supply voltage / 1 / for DC / rated value	V	24
		V	20.4
		V	28.8

Design of the electrical connection / for auxiliary and control current circuit		connector
Supply voltage:		
Type of voltage / of supply voltage		DC
Supply voltage / 1 / for DC / rated value	V	30
• permissible minimum	V	26.5
• permissible maximum	V	31.6
Design of the electrical connection / for supply voltage infeed		M12 plug
Ambient conditions:		
Protection class IP		IP65
Ambient temperature		
during storage	°C	-40 + 70
during operating	°C	-25 +55
during transport	°C	-40 + 70
Relative humidity		
during operating phase	%	10 95
Resistance against vibration		7 mm / 2g
Resistance against shock		12g / 11 ms
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
mounting position		vertical, horizontal, flat
mounting position / recommended		horizontal
Communication:		
Design of the interface		
AS interface protocol		Yes
Protocol / is supported		
AS interface protocol		Yes
Design of the interface		
PROFIBUS DP protocol		No
Protocol / is supported		
PROFIBUS DP protocol		No
Product function		
control circuit interface with IO link		No
control circuit interface to parallel wiring		No
Design of the interface		
PROFINET protocol		No
Protocol / is supported		
PROFINET protocol		No

Design of the electrical connection				
of the communication interface		M12 plug		
Connections:				
Number of digital inputs		4		
Number of digital outputs		1		
Number of sockets				
for digital input signals		4		
• for digital output signals		1		
Product function				
digital inputs parameterizable		Yes		
digital outputs parameterizable		Yes		
Design of the electrical connection				
• 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		
• 1 / for digital output signals		M12 socket		
Design of the electrical connection				
at the manufacturer-specific device interface		optical interface		
• for device addressing		M12 plug		
Product function / on-site operation		Yes		

EMC:		
EMC immunity to interference / according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)	
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4	2 kV network connection / 1 kV control connection	
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5	2 kV	
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5	1 kV	
EMC emitted interference / according to IEC 60947-1	CISPR11, ambience A (industrial sector)	
Verification of suitability	CE	
Protection against electrical shock	finger-safe	

Certificates/approvals:

General Product Approval

Declaration of Conformity













Test Certificates

other

Type Test
Certificates/Test
Report



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

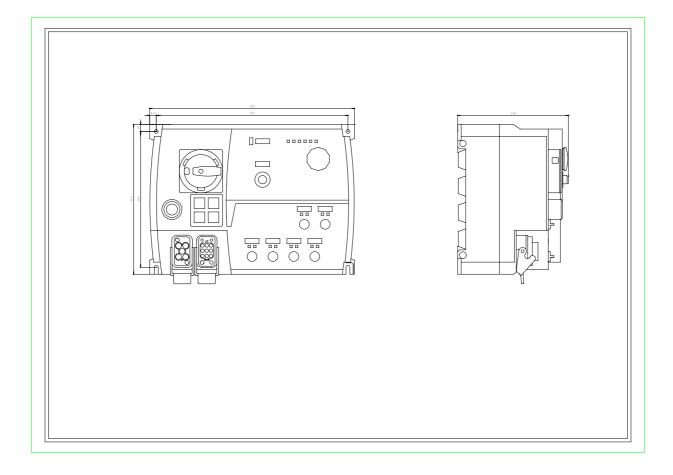
http://www.siemens.com/cax

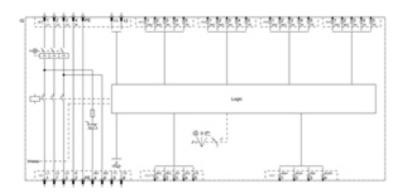
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RK1325-6KS41-2AA3/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1325-6KS41-2AA3





last change: Oct 21, 2013