SIEMENS

Data sheet

3RK1395-6LS71-0AD0



SIRIUS motor starter M200D Technology module DOL starter Electronic switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 4 DI / 2 DO Han Q4/2 - Han Q8/0 via communication module 3RK1305* can be used on PROFIBUS or PROFINET

product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
product function	
on-site operation	No
 control circuit interface to parallel wiring 	No
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance rated value	6 000 V
maximum permissible voltage for protective separation	
 between main and auxiliary circuit 	400 V
 between control and auxiliary circuit 	24 V
protection class IP	IP65
shock resistance	12g / 11 ms
type of assignment	1
certificate of suitability	CE
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product function	
direct start	Yes
reverse starting	No
product component motor brake output	No
product feature	
 brake control with 230 V AC 	No
 brake control with 400 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	No
product function short circuit protection	Yes
design of short-circuit protection	circuit-breakers
maximum short-circuit current breaking capacity (Icu)	
• at 400 V rated value	50 000 A
• at 500 V rated value	20 000 A
EMC emitted interference according to IEC 60947-1	CISPR11, ambience A (group 2)
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)
conducted interference	

 due to burst according to IEC 61000-4-4 	2 kV network connection / 1 kV control connection
• 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
touch protection against electrical shock	finger-safe
Main circuit	
	2
number of poles for main current circuit	3 colid state (thurister (2 phonon
design of the switching contact	solid-state / thyristor / 2 phases
adjustable current response value current of the current- dependent overload release	1.5 12 A
type of the motor protection	full motor protection
operating voltage rated value	200 440 V
operational current	
• at AC at 400 V rated value	12 A
 at AC-3 at 400 V rated value 	12 A
operating power	
• at AC-3	
— at 400 V rated value	5.5 kW
— at 500 V rated value	5 500 W
• at AC-3e	
— at 400 V rated value	6 kW
— at 500 V rated value	5.5 kW
product function	
digital inputs parameterizable	Yes
digital inputs parameterizable	Yes
number of digital inputs	4
number of sockets	- T
	2
for digital output signals	
for digital input signals	4
number of digital outputs	2
Supply voltage	
	50
type of voltage of the supply voltage	DC
Control circuit/ Control	
Control circuit/ Control type of voltage of the control supply voltage	DC DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value	DC 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC	DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value	DC 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC	DC 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC	DC 20.4 28.8 V 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position • recommended	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • new of time ON-delay time OFF-delay time mounting position • recommended	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit Power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Power loss times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit Power loss [W] in auxiliary and control circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2000 m -25 +55 °C -40 +70 °C
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • necommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during storage • during transport	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2000 m -25 +55 °C -40 +70 °C
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2000 m -25 +55 °C -40 +70 °C
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • necommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during storage • during transport	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mn 294 mm 148 mm 2000 m -25 +55 °C -40 +70 °C -40 +70 °C

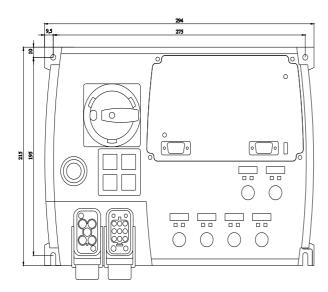
 PROFINET protocol 		No			
design of the interface					
AS-Interface protocol		No			
PROFINET protocol		No			
PROFIBUS DP protocol		No			
product function bus communication		Yes			
protocol is supported AS-Interface protocol		No			
product function control circuit interface with IO link		No			
type of electrical connection					
for main current circuit		plug according to ISO 23570, HAN Q4/2			
for auxiliary and control circuit		connector			
ype of electrical connection					
1 for digital input signals		M12 so	cket		
1 for digital mput signals		M12 so	cket		
2 for digital input signals		M12 so	cket		
3 for digital input signals		M12 so	cket		
 4 for digital input signals 		M12 so	cket		
ull-load current (FLA) for 3-phase AC motor at 480 V rated alue		11 A			
vielded mechanical performance [hp]					
 for 3-phase AC motor 					
— at 220/230 V rated value		3 hp			
— at 460/480 V rated value		7.5 hp			
operating voltage at AC at 60 Hz according to Cated value	SA and UL	480 V			
ertificates/ approvals					
General Product Approval		· · · · · · · · · · · · · · · · · · ·			EMC
(SP))	(h	EHC	Ø
CSA	ccc		UL		RCM
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			Confirmation	Profibus	

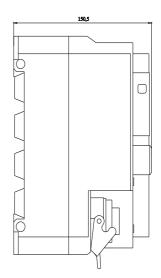
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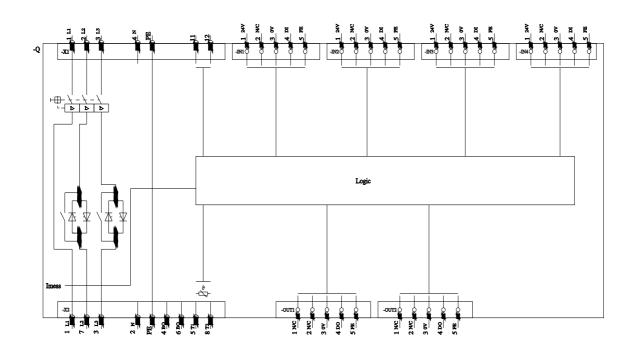
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