SIEMENS

Data sheet

3RK1395-6LS71-3AD3



SIRIUS motor starter M200D Technology module Reversing starter Electronic switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 400 V AC 4 DI / 2 DO Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch via communication module 3RK1305* can be used on PROFIBUS or PROFINET

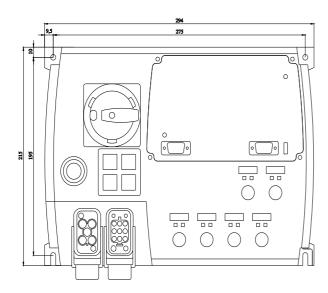
product brand name	SIRIUS
product designation	Motor starters
design of the product	reversing starter
product type designation	M200D
product function	
 on-site operation 	Yes
 control circuit interface to parallel wiring 	No
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance 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	No
reverse starting	Yes
product component motor brake output	Yes
product feature	
 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
product function short circuit protection	Yes
design of short-circuit protection	circuit-breakers
maximum short-circuit current breaking capacity (lcu)	
• 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	

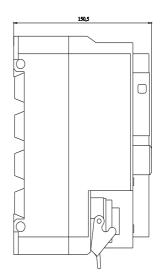
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV
touch protection against electrical shock	finger-safe
Main circuit	
number of poles for main current circuit	3
design of the switching contact	solid-state / thyristor / 2 phases
adjustable current response value current of the current-	1.5 12 A
dependent overload release	
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 outputs parameterizable	Yes
number of digital inputs	4
number of sockets	
for digital output signals	2
for digital input signals	4
number of digital outputs	2
Supply voltage	
type of voltage of the supply voltage	DC
Control circuit/ Control	
Control circuit/ Control type of voltage of the control supply voltage	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 • 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
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	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	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	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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W 25 ms
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W 25 ms
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W 25 ms 35 ms
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W 25 ms 35 ms vertical, horizontal, flat
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 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 Response times ON-delay time OFF-delay time mounting position • recommended fastening method	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 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 • new compose times ON-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 9.216 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 OFF 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 9.216 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 • commended fastening method height	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 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 tate ON • of F-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 9.216 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 ambient temperature	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m
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 • new rows 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 9.216 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 • necommended 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 9.216 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 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 • 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 operation • during storage • during transport relative humidity during operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 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 operation • during storage • during transport	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 9.216 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

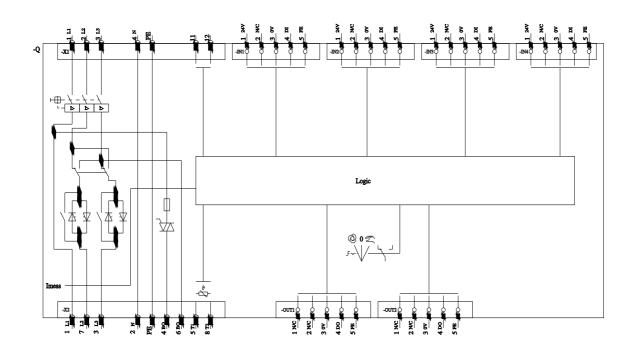
 PROFINET protocol 	No
design of the interface	
AS-Interface protocol	No
PROFINET protocol	No
PROFIBUS DP protocol	No
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No
type of electrical connection	
• for main current circuit	plug according to ISO 23570, HAN Q4/2
for auxiliary and control circuit	connector
type of electrical connection	
1 for digital input signals	M12 socket
 1 for digital output signals 	M12 socket
 2 for digital input signals 	M12 socket
 3 for digital input signals 	M12 socket
 4 for digital input signals 	M12 socket
full-load current (FLA) for 3-phase AC motor at 480 V rated value	11 A
yielded 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 CSA and UL rated value	480 V
ertificates/ approvals	
General Product Approval	EMC
	-
	icates other Confirmation
Confirm Confirm CCC Declaration of Conformity Test Certifi UKK CCC Type Test ates/Test	hation EFFE EFFE EFFE EFFE EFFE EFFE EFFE EF
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