SIEMENS

Data sheet

3RK1395-6LS41-3AD3

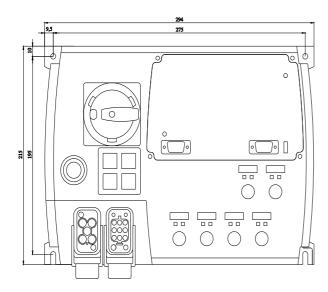


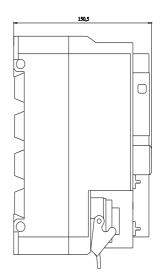
SIRIUS motor starter M200D Technology module Reversing starter Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 400 V AC 4 DI / 2 DO Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch via communication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

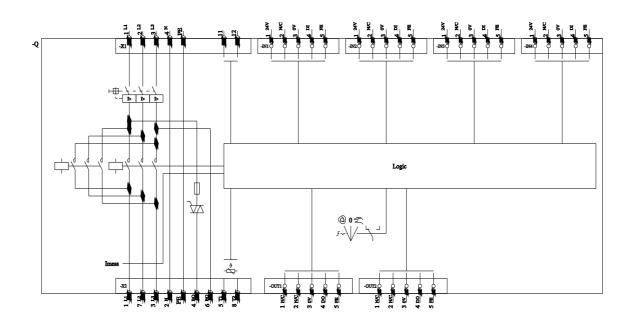
product torand name SHRUS design of the product reversing starters design of the product reversing starter product designation Motor starters on-site operation Yes • on-site operation Starters • obtween control and auxiliary circuit 400 V • obtween control and auxiliary circuit 400 V • obtween control and auxiliary circuit 400 V • obtween control and auxiliary circuit 1000 000 • product function 1 • certificate of starters 1 • forder starte 07/01/2006 Starters Starters • officite di start No • rake control with 200 V AC Yes		
design of the product product type designation reversing starter product type designation M200D product turction ************************************	product brand name	SIRIUS
product type designationM200Dproduct function• on-site operationYes• control circuit interface to parallel winingNoinsulation voltage rated value500 Vdegree of pollution3surge voltage resistance rated value6000 Vmaximum permissible voltage for protective separation400 V• between control and auxiliary circuit24 Vprotection class IPIP65shock resistance10 000 000mechanical service life (operating cycles) of the main contacts10 000 000type of assignment1certificate of sultabilityCESubstance Prohibitance (Date)0701/12006SVHC substance nameBiel - 7439-02-1eidred startNo• direct startNo• reverse startingYesproduct functionYes• brake control with 200 VACYes• brake control with 200 VACYes <t< td=""><td></td><td></td></t<>		
Product function Yes • on-site operation Yes • control circuit interface to parallel wiring No Insulation voltage rated value 500 V degree of pollution 3 surge voltage restance rated value 6000 V maximum permissible voltage for protective separation 400 V • between main and auxiliary circuit 400 V • between control and auxiliary circuit 24 V • between control and auxiliary circuit 24 V • between control and auxiliary circuit 1000 000 • between control and auxiliary circuit 24 V • between control and auxiliary circuit 24 V • between control and auxiliary circuit 24 V • brake control with 200 VAC 10000 000 • typical 07/01/2006 SVHC substance Drohibitance (Date) 07/01/2006 SVHC substance name Blei -7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2/2/6/1 Etatabrom 4.4-isopropylidendi - 79-94-7 product function Yes • brake control with 230 VAC Yes • brake control with 230 VAC Yes	design of the product	-
• on-sile operationYes• control circuil interface to parallel winingNoInsulation voltage rated value500 Vdegree of pollution3surge voltage resistance rated value6000 Vmaximum permissible voltage for protective separation-• between nain and auxiliary circuit400 V• between control and auxiliary circuit24 Vprotection class IP1965shock resistance12g / 11 mismechanical service life (operating cycles) of the main contacts10 000 000type of auxiliary difference1certificate of suitabilityCESubstance Prohibitance (Dato)707 / 1/2006SVHC substance nameBlei - 7X39-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2.2.6.6'-Tetrabrom.4.4'-isopropylideni - 79-94-7product function-• direct startNo• forevers startingYesproduct function-• brake control with 200 VACYes• brake control with 200 VACYes• brake control with 200 VACYes• brake control with 200 VACNo• brake control with 200 VACYes• brake control with 200 VACNo• brake control with 200 VACYes• brake control with 200 VACNo• brake control with 200 VACNo• brake control with 200 VACYes• brake control with 200 VACNo• brake control with 200 VACNo• brake control with 200 VACNo• brake control with 200 VACNo	product type designation	M200D
• control circuit interface to parallel wiringNoinsulation voltage rated value500 Vdegree of pollution3surge voltage resistance rated value6 000 Vmaximum permissible voltage for protective separation•• between main and auxiliary circuit24 V• between control and auxiliary circuit24 Vprotection class IPIP65shock resistance12g / 11 msmechanical service life (operating cycles) of the main contacts10 000 000typelad07/01/2006Substance Prohibitance (Date)07/01/2006SVHC substance nameBilei -7439-92-11 Bilei	product function	
Insulation voltage rated value 500 V degree of pollution 3 surge voltage resistance rated value 6000 V maximum permissible voltage for protective separation 400 V • between main and auxiliary circuit 400 V • between control and auxiliary circuit 24 V protection class IP IP65 shock resistance 12g /11 ms mechanical service life (operating cycles) of the main contacts 10 000 000 typical 1 certificate of suitability CE Substance Prohibitance (Date) 07/01/2006 SVHC substance name Blei -7439-92-1 Bleimonoxid (Bleixid) - 1317-36-8 22 /3 (6' Tetrabrom -4, 4' isopropylidendi - 79-94-7 product function - • direct start No • reverse starting Yes product component motor brake output Yes • brake control with 200 V AC Yes • brake control with 400 V AC Yes • brake control with 500 V DC No • brake control with 500 V DC No • brake control with 500 V DC	 on-site operation 	Yes
degree of pollution 3 surge voltage resistance rated value 6 000 V maximum permissible voltage for protective separation - • between main and auxiliary circuit 24 V • between control and auxiliary circuit 24 V protection class IP IP65 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts 10000 000 type of assignment 1 certificate of suitability CE Substance Prohibitance (Date) 07/01/2006 SVHC substance name Blei r7439-92.1 Blei r439-92.1 Blei r6000000000000000000000000000000000000	 control circuit interface to parallel wiring 	No
surge voltage resistance rated value 6 000 V maximum permissible voltage for protective separation • between main and auxiliary circuit • between control with 20 V AC • brake control with 20 V DC • brake c	insulation voltage rated value	500 V
maximum permissible voltage for protective separation 400 V • between main and auxiliary circuit 400 V • between control and auxiliary circuit 24 V protection class IP IP65 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 10 000 000 typical 1 certificate of suitability CE Substance Prohibitance (Date) 07/01/2006 SVHC substance name Biel -7439-92-1 Bleinonoxid (Bleixxid) - 1317-36-8 2,2/6,6^-Tetrabrom-4,4'-isopropylidendi - 79-94-7 ordirect start No • reverse starting Yes product function - • reverse starting Yes product feature - • brake control with 200 V AC Yes • brake control with 200 V AC Yes • brake control with 800 V DC No	degree of pollution	3
• between main and auxiliary circuit400 V• between control and auxiliary circuit24 V• protection class IPIP65• Bock resistance12g /11 msmechanical service life (operating cycles) of the main contacts typical10 000 000• type of assignment0certificate of suitabilityCESubstance Prohibitance (Date)0701/2006SVHC substance nameBiel - 7433 92-1 Biel monoxid (Bieloxid) - 1317-36-8 - 2/2,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7product functionVes• direct startNo• reverse startingYesproduct fusitoYes• brake control with 200 VACYes• brake control with 200 VACYes• brake control with 200 VACNo• brake control with 200 VACNo• brake control with 180 VDCNo• brake control with 200 CherterNo• brake control with 200 CherterStop <td>surge voltage resistance rated value</td> <td>6 000 V</td>	surge voltage resistance rated value	6 000 V
• between control and auxiliary circuit24 Vprotection class IPIP65shock resistanco12g / 11 msmechanical service life (operating cycles) of the main contacts typical10 000 000type of assignment1certificate of suitabilityCESubstance Prohibitance (Date)07/01/2006SVHC substance nameBiei - 7439-92-1 Bleimonoxid (Bieloxid) - 1317-36-8 22-6product function-• direct startNo• reverse startingYesproduct featureYes• brake control with 230 V ACYes• brake control with 230 V ACYes• brake control with 200 V ACYes• brake control with 200 V ACYes• brake control with 200 V ACYes• brake control with 80 V DCNo• brake control with 80 V DCSo 000 A• brake control with 80 V DCSo 000 A• brake control with 80 V DCSo 000 A• bra	maximum permissible voltage for protective separation	
protection class IP IP65 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 10 000 000 typical 10 000 000 type of assignment 1 certificate of suitability CE Substance Prohibitance (Date) 07/01/2006 SVHC substance name Biel - 7439-92-1 Bleironoxid (Bleioxid) - 1317-36-8 2,2,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 offict start No ereverse starting Yes product feature Yes erotrol with 230 V AC Yes brake control with 230 V AC Yes e brake control with 230 V AC Yes brake control with 200 V DC No brake control with 300 V DC No brake control with 500 V DC	 between main and auxiliary circuit 	400 V
shock resistance12g / 11 msmechanical service life (operating cycles) of the main contacts typical10 000 000type of assignment1certificate of suitabilityCESubstance Prohibitance (Date)07/01/2006SVHC substance nameBlei -7439-92-1Blei Ar339-92-1Blei Ar339-92-1Blei Ar339-92-1Steinnown (Bleiowich) - 1317-36-8 2,2'6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7or direct startNoof direct startYesproduct functionYesproduct dum to the brake outputYesproduct functionYesotake control with 230 V ACYesotake control with 240 V DCNootake control with 200 V ACYesotake control with 200 V ACYesotake control with 200 V DCNootake control with 200 V DCNoproduct function short circuit protectionYesotake control with 200 V DCNoproduct function short circuit protectionYesotake control with 200 V DCNoproduct function short circuit protectionSto 2000 Aotake control with 200 V DCSto 2000 Aet 4100 V rated valueSto 2000 Aet 4100 V rated value </td <td> between control and auxiliary circuit </td> <td>24 V</td>	 between control and auxiliary circuit 	24 V
mechanical service life (operating cycles) of the main contacts typical 10 000 00 type of assignment 1 certificate of suitability CE Substance Prohibitance (Date) 07/01/2006 SVHC substance name Biel - 7439-92-1 Bielmonoxid (Bieloxid) - 1317-36-8 2;2;6;6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function - • direct start No • reverse starting Yes product function time in the secontrol with 230 V AC Yes • brake control with 230 V AC Yes • brake control with 24 V DC No • brake control with 24 V DC No • brake control with 260 V DC No • brake control with 180 V DC No • brake control with 260 V DC No • brake control	protection class IP	IP65
typical Image: certificate of suitability Certificate of suitability certificate of suitability CE Substance Prohibitance (Date) 07/01/2006 SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 22,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function Ves ereverse starting Yes product feature Yes eroutor birake output Yes brake control with 230 V AC Yes e brake control with 230 V AC Yes e brake control with 24 V DC No e brake control with 24 V DC No e brake control with 500 V DC No product textension braking module for brake control No e brake control with 500 V DC No product function short circuit protection Yes e brake control with 500 V DC No product function short circuit protection Yes e brake control with 500 V DC No product function short circuit protection So 000 A e staf00 V rated value 50 000 A <t< td=""><td>shock resistance</td><td>12g / 11 ms</td></t<>	shock resistance	12g / 11 ms
CESubstance Prohibitance (Date)07/01/2006SVHC substance nameBiei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2.2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7product function-• direct startNo• ceverse startingYesproduct component motor brake outputYesproduct function-• brake control with 230 V ACYes• brake control with 230 V ACYes• brake control with 200 V DCNo• brake control with 500 V DCNo• brake control with 500 V DCYesreduct function short circuit protectioncircuit-breakersmaximum short-circuit protectionS0 000 A• at 400 V rated value50 000 A• at 500 V rated value50 000 A• at 500 V rated valueS0 000 A <td></td> <td>10 000 000</td>		10 000 000
Substance Prohibitance (Date) 07/01/2006 SVHC substance name Biei - 7439-92-1 Bieimonoxid (Bleioxid) - 1317-36-8 2;2,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function - • direct start No • reverse starting 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 AC Yes • brake control with 180 V DC No • brake control with 500 V DC No • brake control with 500 V DC No • brake control with 500 V DC No product function short circuit protection Yes design of short-circuit protection Circuit-breakers maximum short-circuit protection S0 000 A • at 400 V rated value 50 000 A • at 500 V rated value 50 000	type of assignment	1
SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2', 6, 6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 product function - • direct start No • reverse starting Yes product feature - • brake control with 230 V AC Yes • brake control with 400 V AC Yes • brake control with 400 V AC Yes • brake control with 24 V DC No • brake control with 80 V DC No • brake control with 80 V DC No • brake control with 90 V DC No • brake control with 900 V DC No product function short circuit protection Circuit-breakers maximum short-circuit protection circuit-breakers maximum short-circuit current breaking capacity (Icu) 50 000 A • at 400 V rated value 50 000 A • at 500 V rated value 50 000 A EMC emitted interference a	certificate of suitability	CE
Bleimonoxid (Bleioxid) - 1317-36-8 product function Z.2',6,6'-Tetrabrom-4,4'-Isopropylidendi - 79-94-7 e direct start No e reverse starting Ves product component motor brake output Yes product feature Yes e brake control with 230 V AC Yes o brake control with 230 V AC Yes e brake control with 200 V AC Yes o brake control with 200 V AC Yes o brake control with 200 V AC No o brake control with 200 V AC Yes o brake control with 200 V AC No o brake control with 180 V DC No o brake control with 180 V DC No o brake control with 500 V DC No product function short circuit protection Yes design of short-circuit protection Yes design of short-circuit protection Yes e at 400 V rated value 50 000 A e at 500 V rated value 50 000 A e at 500 V rated value 50 000 A e at 500 V rated value 50 000 A e at 500 V rated value	Substance Prohibitance (Date)	07/01/2006
• direct startNo• reverse startingYesproduct component motor brake outputYesproduct featureYes• brake control with 230 V ACYes• brake control with 400 V ACYes• brake control with 400 V ACYes• brake control with 24 V DCNo• brake control with 80 V DCNo• brake control with 80 V DCNo• brake control with 80 V DCNo• brake control with 90 V DCSo• brake control with 90 V DCSo <t< td=""><td>SVHC substance name</td><td></td></t<>	SVHC substance name	
And controlYesproduct component motor brake outputYesproduct featurebrake control with 230 V ACYesbrake control with 400 V ACYesbrake control with 400 V ACYesbrake control with 400 V ACNobrake control with 24 V DCNobrake control with 500 V DCNobrake control with 500 V DCNoproduct function short circuit protectionYesdesign of short-circuit protectionYesmaximum short-circuit current breaking capacity (Icu)-• at 400 V rated value50 000 A• at 500 V rated valueS0 000 AEMC emitted interference according to IEC 60947-1CISPR11, ambience A (industrial sector)		2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
Product component motor brake outputYesproduct featureYes• brake control with 230 V ACYes• brake control with 400 V ACYes• brake control with 400 V ACYes• brake control with 24 V DCNo• brake control with 180 V DCNo• brake control with 500 V DCSo 000 A• at 400 V rated value50 000 A• at 400 V rated value50 000 A• at 500 V rated value50 000 A• at 500 V rated value50 000 A• at 500 V rated valueSo 000 A• at 500 V rated valueCISPR11, ambience A (industrial sector)	product function	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product featureres• brake control with 230 V ACYes• brake control with 230 V ACYes• brake control with 400 V ACYes• brake control with 400 V ACNo• brake control with 24 V DCNo• brake control with 180 V DCNo• brake control with 500 V DCSo 000 A• at 400 V rated value50 000 A• at 500 V rated value50 000 A• at 500 V rated valueCISPR11, ambience A (industrial sector)		
• brake control with 230 V ACYes• brake control with 400 V ACYes• brake control with 24 V DCNo• brake control with 20 V DCNo• brake control with 500 V DCNo• brake control with 500 V DCNoproduct extension braking module for brake controlNoproduct extension braking module for brake controlNoproduct function short circuit protectionYesdesign of short-circuit protectioncircuit-breakersmaximum short-circuit current breaking capacity (Icu)50 000 A• at 400 V rated value50 000 A• at 500 V rated valueS0 000 A• EMC emitted interference according to IEC 60947-1CISPR11, ambience A (industrial sector)	direct start	No
• brake control with 400 V ACYes• brake control with 24 V DCNo• brake control with 180 V DCNo• brake control with 500 V DCNo• brake control with 500 V DCNo• product extension braking module for brake controlNo• product function short circuit protectionYes• design of short-circuit protectioncircuit-breakers• maximum short-circuit current breaking capacity (Icu)50 000 A• at 400 V rated value50 000 A• at 500 V rated valueS0 000 A• EMC emitted interference according to IEC 60947-1CISPR11, ambience A (industrial sector)	direct start reverse starting	No Yes
• brake control with 24 V DCNo• brake control with 180 V DCNo• brake control with 500 V DCNoproduct extension braking module for brake controlNoproduct function short circuit protectionVesdesign of short-circuit protectioncircuit-breakersmaximum short-circuit current breaking capacity (lcu)50 000 A• at 400 V rated value50 000 A• at 500 V rated valueS0 000 A• EMC emitted interference according to IEC 60947-1CISPR11, ambience A (industrial sector)	direct start reverse starting product component motor brake output	No Yes
• brake control with 180 V DCNo• brake control with 500 V DCNoproduct extension braking module for brake controlNoproduct function short circuit protectionYesdesign of short-circuit protectioncircuit-breakersmaximum short-circuit current breaking capacity (Icu)• at 400 V rated value50 000 A• at 500 V rated value50 000 A• EMC emitted interference according to IEC 60947-1CISPR11, ambience A (industrial sector)	direct start e reverse starting product component motor brake output product feature	No Yes Yes
• brake control with 500 V DCNoproduct extension braking module for brake controlNoproduct function short circuit protectionYesdesign of short-circuit protectioncircuit-breakersmaximum short-circuit current breaking capacity (Icu)50 000 A• at 400 V rated value50 000 A• at 500 V rated valueS0 000 A• EMC emitted interference according to IEC 60947-1CISPR11, ambience A (industrial sector)	direct start ereverse starting product component motor brake output product feature brake control with 230 V AC	No Yes Yes
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) 50 000 A • at 400 V rated value 50 000 A • at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	direct start oreverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC	No Yes Yes Yes
product function short circuit protection Yes design of short-circuit protection circuit-breakers maximum short-circuit current breaking capacity (Icu) 50 000 A • at 400 V rated value 50 000 A • at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	direct start i reverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC	No Yes Yes Yes No
design of short-circuit protection circuit-breakers maximum short-circuit current breaking capacity (Icu)	direct start ereverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC	No Yes Yes Yes No No
maximum short-circuit current breaking capacity (Icu) 50 000 A • at 400 V rated value 50 000 A • at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	direct start ereverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC	No Yes Yes Yes No No No
• at 400 V rated value 50 000 A • at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	e direct start e reverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC product extension braking module for brake control	No Yes Yes Yes No No No No
• at 500 V rated value 50 000 A EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	direct start ereverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC product extension braking module for brake control product function short circuit protection	No Yes Yes Yes No No No No No Yes
EMC emitted interference according to IEC 60947-1 CISPR11, ambience A (industrial sector)	direct start reverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC product extension braking module for brake control product function short circuit protection design of short-circuit protection	No Yes Yes Yes No No No No No Yes
	 direct start reverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC product extension braking module for brake control product function short circuit protection design of short-circuit current breaking capacity (Icu)	No Yes Yes Yes No No No No No Yes circuit-breakers
EMC immunity according to IEC 60947-1 corresponds to degree of severity 3, ambience A (industrial sector)	 direct start reverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 24 V DC brake control with 180 V DC brake control with 500 V DC product extension braking module for brake control product function short circuit protection design of short-circuit current breaking capacity (lcu) at 400 V rated value 	No Yes Yes Yes Yes No No No No No Yes circuit-breakers
	direct start reverse starting product component motor brake output product feature brake control with 230 V AC brake control with 400 V AC brake control with 400 V AC brake control with 24 V DC brake control with 500 V DC brake control with 500 V DC product extension braking module for brake control product function short circuit protection design of short-circuit current breaking capacity (Icu) at 400 V rated value at 500 V rated value	No Yes Yes Yes Yes No No No No No Yes circuit-breakers

conducted interference	
odue to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
 due to builst according to IEC 01000-4-4 due to conductor-earth surge according to IEC 61000-4-5 	2 kV
due to conductor-conductor surge according to IEC	1 kV
61000-4-5	
touch protection against electrical shock	finger-safe
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
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 outputs parameterizable	Yes
number of digital inputs	4
number of sockets	
for digital output signals	2
for digital input signals number of digital outputs	4 2
Supply voltage	2
	DC
type of voltage of the supply voltage Control circuit/ Control	DC
type of voltage of the supply voltage	DC DC
type of voltage of the supply voltage Control circuit/ Control	
type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage	
type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC
type of voltage of the supply voltage 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
type of voltage of the supply voltage 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
type of voltage of the supply voltage 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
type of voltage of the supply voltage 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
type of voltage of the supply voltage 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 1.9584 W
type of voltage of the supply voltage 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
type of voltage of the supply voltage 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 1.9584 W 5.04 W
type of voltage of the supply voltage 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 1.9584 W 5.04 W 85 ms
type of voltage of the supply voltage 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms
type of voltage of the supply voltage 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat
type of voltage of the supply voltage 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal
type of voltage of the supply voltage 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 bypase circuit	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing
type of voltage of the supply voltage 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm
type of voltage of the supply voltage 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
type of voltage of the supply voltage 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 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm
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type of voltage of the supply voltage 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 • recommended fastening method height width	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
type of voltage of the supply voltage 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 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
type of voltage of the supply voltage 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 • necommended 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 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C
type of voltage of the supply voltage 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 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 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C
type of voltage of the supply voltage 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 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 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2000 m -25 +55 °C -40 +70 °C -40 +70 °C

PROFIBUS DP protocol		No			
PROFINET protocol		No			
design of the interface		NO			
		No			
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 48 value	30 V rated	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			
— at 575/600 V rated value		10 hp			
operating voltage at AC at 60 Hz according to CS	A and LII	600 V			
Certificates/ approvals General Product Approval					EMC
	(CCC)	(U) u)	EAC	EMC EMC RCM
General Product Approval	CCC Test Certificate	s other)	EAC	EMC ECM Dangerous Good
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