## SIEMENS

## Data sheet

## 3RK1395-6LS41-2AD3



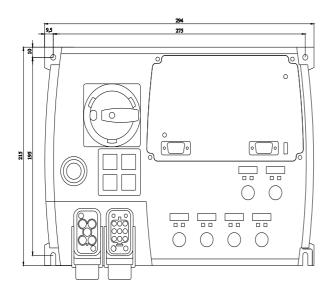
SIRIUS motor starter M200D Technology module DOL starter Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 400 V AC 4 DI / 2 DO Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch via communication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

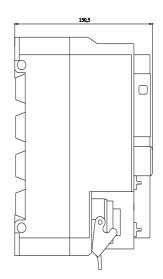
product designation         SIRUS           design of the product         direct starter           product designation         Motor starters           or on site operation         Yes           • on-site operation         SIRUS           • on-site operation         Yes           • on-site operation         SIRUS           • control circuit interface to parallel wining         No           insulation voltage rated value         SIRUS           degree of pollution         3           surge voltage restistance rated value         GOO V           maximum permissible voltage for protective separation         Protection class of 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           mechanical service life (operating cycles) of the main contacts         10000 000           typical         CE           substance Prohibitance (Date)         07/01/2006           SVHC substance name         Sele-Tatarom-4, 4-Isoporopylidendi - 7B-94-7           • foreke control with 200 VAC         Yes           • brake control with 200 VAC         Yes           • brake c		
design of the product product type designation         direct starter           product type designation         M200D           product turction         ************************************	•	
product type designationM200Dproduct function• on-site operationYes• control circuit interface to parallel wiringNoinsulation voltage rated value5000 Vdegree of pollution3surge voltage resistance rated value6000 Vmaximum permissible voltage for protective separation• between control and auxiliary circuit24 Vprotection class IPIP65shock resistance10 000 000mechanical service life (operating cycles) of the main contacts10 000 000type of assignment1certificate of suitabilityCESubstance Prohibitance (Dato)70/1/2006SVHC substance nameBiel 7438-92-1beinonoxid (Bieloxid) - 1317-38-8beinonoxid (Bieloxid) - 1317-		
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 resistance rated value         6000 V           maximum permissible voltage for protective separation         400 V           • between main and auxiliary circuit         24 V           • between control and auxiliary circuit         24 V           • protection class IP         1000 000           stock resistance         12g / 11 ms           mechanical service life (operating cycles) of the main contacts         10000 000           typical         07/01/2006           SVHC substance Prohibitance (Date)         07/01/2006           SVHC substance Intertion         2,2,6,6* retrabrom 4,4* isopropylidendi - 79-94-7           • circet start         Yes           • circet start         Yes           • brake control with 230 V AC         Yes <tr< td=""><td></td><td></td></tr<>		
• on-site operationYes• control circuit interface to parallel wiringNoInsulation 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 msmechanical service life (operating cycles) of the main contacts10 000 000type of auxiliary circuitCESubstance Prohibitance (Date)7070//2006SVHC substance nameBile -7439-92-1 Belemonoxid (Beloxid) - 1317-36-8 2.2.6.6'-Tetrabrowid et al.product function-• circut saftYes• circut saftYes• brake control with 200 VACYes• brake control with 200 VACNo• brake control with 200 VACYes• brake control with 180 VDCNo <t< td=""><td></td><td>M200D</td></t<>		M200D
• control circuit interface to parallel wiringNoinsulation voltage rated value500 Vdegree of pollution3surge voltage resistance rated value6000 Vmaximum permissible voltage for protective separation400 V• between main and auxiliary circuit24 V• between control and auxiliary circuit24 Vprotection class IPIP65shock resistance12g / 11 msmechanical service life (operating cycles) of the main contrads10 000 000type of assignment1certificat of suitabilityCESubstance Prohibitance (Date)07/01/2006SVHC substance nameBilei -7439-92-1product functionSince for the second (Bierowal) - 137-36-8• circle startYes• reverse startingNoproduct featureYes• 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 VACYes• brake control with 200 VAC<	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           type of assignment         1           certificate of suitability         CE           Substance Prohibitance (Date)         070/1/2006           SVHC substance name         Blei -7439-92-1           Bleimonoxid (Bleixid) - 1317-36-8         22 (5, 6'- Tetrabrom -4, 4'-isopropylidendi - 79-94-7           product function         -           • circet start         Yes           • circet start         Yes           • brake control with 230 VAC         Yes           • brake control with 420 VAC         Yes           • brake control with 420 VAC         Yes           • brake control with 500 VDC         No           • brake control with 500 VDC         No           • brake control with 500 VDC	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         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         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         Bleinomoxid (Bleixid) - 1317-36-8           certificate of suitability         CE           orient start         Yes           • direct start         Yes           • reverse starting         No           product fourclo with 230 VAC         Yes           • brake control with 200 V AC         Yes           • brake control with 24 V DC         No           • brake control with 24 V DC         No           • brake control with 500 V DC         No           • brake control with 500 V DC         No           • b	<ul> <li>control circuit interface to parallel wiring</li> </ul>	
surge voltage resistance rated value         6 000 V           maximum permissible voltage for protective separation         • between main and auxiliary circuit           • 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         10 000 000           stypical         CE           Substance Prohibitance (Date)         0701/2006           SVHC substance name         Biel: 7439-92-1           Bielmonoxid (Bieloxid) - 1317-36-8         2,2,6,6'-Tetraborne-4,4'-isopropylidend - 79-94-7           ordired start         Yes           • dired start         Yes           ordired start         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 50 V DC         No           • brake control with 50 V DC         No           • brake control with 50 V DC         No           • brake control with 180 V DC         No           • brake control with 50 V DC         No           • brake control with 180 V DC	insulation voltage rated value	
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         Yes           • reverse starting         No           product function         Yes           • brake control with 200 V AC         Yes           • brake control with 200 V AC         Yes           • brake control with 200 V AC         Yes           • brake control with 800 V DC         No           • brake control with 800 V DC	degree of pollution	3
• between main and auxiliary circuit400 V• between control and auxiliary circuit24 V• between control and auxiliary circuit24 V• protection class IPIP65• shock resistance12g / 11 ms• mechanical service life (operating cycles) of the main contacts typical1000 000• type of assignment1• certificate of suitabilityCESubstance Prohibitance (Date)07/01/2006SVHC substance nameBiel - 7433 92-1 Biel - 7433 92-1• direct startYes• direct startYes• reverse startingNo• product functionYes• reverse startingYes• brake control with 230 V ACYes• brake control with 230 V ACYes• brake control with 240 V DCNo• brake control with 180 V DCNo• brake control with 240 V CNo• brake control with 240 V CNo• brake control with 180 V DCNo• brake control with 180 V DCNo• brake control with 240 V CNo• brake control with 240 V CNo• brake control with 240 V atcet valueS0 000 A•	surge voltage resistance rated value	6 000 V
• between control and auxiliary circuit24 Vprotection class IPIP65shock resistance12g / 11 msmechanical service life (operating cycles) of the main contacts typical10 000 000type of assignment1certificate of suitabilityCESubstance Prohibitance (Date)0701/2006SVHC substance nameBiel - 7439-92-1 Bleimonoxid (Bieloxid) - 1317-36-8 22-6product function-• direct startYes• reverse startingNoproduct 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 cont	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''- Tetrabrom-4,4'-isopropylidendi - 79-94-7           offict start         Yes           ereverse starting         No           product feature         Yes           ereverse starting         No           product feature         Yes           e brake control with 230 V AC         Yes           brake control with 230 V AC         Yes           brake control with 200 V DC         No           e brake control with 130 V DC         No           e brake control with 180 V DC         No           brake control with 180 V DC         No           e brake control with 180 V DC         No           e brake control with 180 V DC         No           e brake control with 180 V DC         No           brake control with 180 V DC         <	<ul> <li>between main and auxiliary circuit</li> </ul>	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 / 7439-92-1Blei/00000 (Bleioxid) - 1317-36-8 2,2'6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7ordirect startYesordirect startYesreverse startingNoproduct component motor brake outputYesorder that 00 V ACYesorder outrol with 230 V ACYesorder outrol with 240 V DCNoorder outrol with 200 V ACYesorder outrol with 200 V ACNoorder outrol with 200 V ACYesorder outrol with 200 V ACNoorder outrol with 200 V DCNoorder outrol with 200 V DCNoorder outrol with 200 V DCNoorder outrol with 200 V DCNoproduct function short circuit protectionYesotake control with 200 V DCNooutrol with 200 V rated value50 000 Aotake outrol with 200 V rated value50 000 Aotat control with 200 V rated value50 000 Aotat control with 200 V rated value50 000 Aotat control with 200 V	<ul> <li>between control and auxiliary circuit</li> </ul>	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 Bieimonoxid (Bieloxid) - 1317-36-8 2; 6,6-Tetrabrom-4,4-isopropylidendi - 79-94-7           product function         -           • direct start         Yes           • reverse starting         No           product function vith 230 V AC         Yes           • reverse starting         Ves           product feature         -           • brake control with 230 V AC         Yes           • brake control with 240 V AC         Yes           • brake control with 240 V DC         No           • brake control with 260 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         cicruit-breakers           • cirul-breaking module for brake control         No           • brake control with 500 V DC         No           • brake control with 500 V DC         No           product function short circuit protection	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         Biei - 7439-92-1           Bieimonoxid (Bleioxid) - 1317-36-8         2/2,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7           product function         Yes           e direct start         Yes           e reverse starting         No           product feature         Yes           e brake control with 230 V AC         Yes           e brake control with 240 V DC         No           e brake control with 240 V DC         No           e brake control with 200 V DC         No           e brake control with 500 V DC         No           product feature         Cicriut-breakers           e design of short-circuit protection         Yes           e brake control with 200 V DC         No           product feature         So 000 A           product feature         So 000 A           e sta00 V rated value         So 0000 A	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 startYes• reverse startingNoproduct 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 protectionYeswater water		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         Yes           • reverse starting         No           product component motor brake output         Yes           • 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 180 V DC         No           • brake control with 180 V DC         No           • brake control with 900 V DC         No           • brake control with 180 V DC         No           • brake control with 900 V DC         No           • brake control with 900 V DC         No           • brake control with 500 V DC         No           product function short circuit protection         Circuit-breakers           maximum short-circuit protection         Circuit-breakers           maximum short-circuit protection         50 000 A           • at 400 V rated value         50 000 A           • at 500 V r	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       Yes         • reverse starting       No         product feature       Yes         • 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 protection       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	certificate of suitability	CE
Bleimonoxid (Bleioxid) - 1317-36-8           product function         2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7           e direct start         Yes           • reverse starting         No           product component motor brake output         Yes           product feature         Yes           • brake control with 230 V AC         Yes           • brake control with 230 V AC         Yes           • brake control with 200 V AC         Yes           • brake control with 200 V AC         Yes           • brake control with 200 V AC         No           • brake control with 200 V AC         No           • brake control with 200 V AC         No           • brake control with 180 V DC         No           • brake control with 180 V DC         No           • brake control with 500 V DC         No           product function short circuit protection         Yes           design of short-circuit protection         Yes           maximum short-circuit accortent breaking capacity (Icu)         Incurit-breakers           • at 400 V rated value         50 000 A           • at 500 V rated value         50 000 A           • at 500 V rated value         50 000 A	Substance Prohibitance (Date)	07/01/2006
• direct startYes• reverse startingNoproduct component motor brake outputYesproduct featureYes• 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 80 V DCNo• brake control with 90 V DCSo• brake control with 90 V DCSo <td< td=""><td>SVHC substance name</td><td></td></td<>	SVHC substance name	
ActionNoproduct component motor brake outputYesproduct featureYes• brake control with 230 V ACYes• brake control with 400 V ACYes• brake control with 400 V ACNo• brake control with 400 V ACNo• brake control with 24 V DCNo• brake control with 180 V DCNo• brake control with 500 V DCSo• brake control with 500 V rated valueSo• brake control with 5		
Product component motor brake outputYesproduct featureYes• 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 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 valueSo 000 A• at 500 V rated valueCISPR11, ambience A (industrial sector)	product function	
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)		2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
• 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes
• 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No
• 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     ereverse starting product component motor brake output	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No
• 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• at 500 V rated valueCISPR11, ambience A (industrial sector)	direct start     ereverse starting  product component motor brake output  product feature	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No 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 valueCISPR11, ambience A (industrial sector)	direct start     ereverse starting  product component motor brake output  product feature      brake control with 230 V AC	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes
product 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 value50 000 AEMC emitted interference according to IEC 60947-1CISPR11, 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No 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)	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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes Yes No 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)	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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes Yes No No No No No No
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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes Yes No No No No No No
	<ul> <li>direct start</li> <li>reverse starting</li> </ul> product component motor brake output product feature <ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> <li>brake control with 180 V DC</li> <li>brake control with 500 V DC</li> </ul> product extension braking module for brake control product function short circuit protection design of short-circuit current breaking capacity (Icu)	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes Yes Yes No No No No No Yes circuit-breakers
	<ul> <li>direct start</li> <li>reverse starting</li> <li>product component motor brake output</li> <li>product feature <ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> <li>brake control with 180 V DC</li> <li>brake control with 500 V DC</li> </ul> </li> <li>product extension braking module for brake control</li> <li>product function short circuit protection</li> <li>design of short-circuit current breaking capacity (Icu) <ul> <li>at 400 V rated value</li> </ul> </li> </ul>	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes Yes Yes No No No No No Yes circuit-breakers
	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 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	2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Yes No Yes Yes No No No No No Yes circuit-breakers

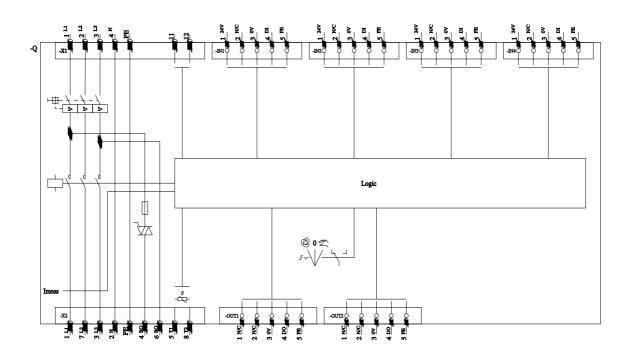
conducted interference	
odue to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
<ul> <li>due to builst according to IEC 01000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
due to conductor-conductor surge according to IEC	1 kV
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
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	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	
<ul> <li>digital inputs parameterizable</li> </ul>	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
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	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 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         • 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					
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 IC	) link	No			
type of electrical connection					
51		plug according to ISO 23570 H	$ AN  \cap 4/2$		
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul>		plug according to ISO 23570, HAN Q4/2 connector			
type of electrical connection					
1 for digital input signals		M12 socket			
1 for digital mpat signals		M12 socket			
<ul><li>2 for digital input signals</li></ul>		M12 socket			
3 for digital input signals		M12 socket			
• • •		M12 socket			
• 4 for digital input signals	t 490 V rated	11 A			
full-load current (FLA) for 3-phase AC motor a value		TTA			
yielded mechanical performance [hp]					
<ul> <li>for 3-phase AC motor</li> </ul>					
— 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 rated value ertificates/ approvals General Product Approval	_	600 V		EMC	
rated value ertificates/ approvals	Confirmatic		EAC	EMC RCM	
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