SIEMENS

Data sheet 3RW5217-3AC14



SIRIUS soft starter 200-480 V 38 A, 110-250 V AC spring-type terminals Analog output

product category Hybrid switching devices	product categoryHybrid switching devicesproduct designationSoft starter	
product designation product type designation manufacturer's article number • of standard HMI module usable • of high feature HMI module usable • of communication module PROFINET standard usable • of communication module PROFIBUS usable • of communication module Modbus TCP usable • of communication module Modbus RTU usable • of communication module Ethernet/IP • of circuit breaker usable at 400 V • of circuit breaker usable at 500 V • of circuit breaker usable at 500 V at inside-delta circuit • of the gG fuse usable up to 690 V • of back-up R fuse link for semiconductor protection usable up to 690 V • of back-up R fuse link for semiconductor protection **Soft starter* 3RW5980-0C100 3RW5980-0H500 3RW5980-0C500 3RW5980-0C900 3RW5980-0C700 3RW5980-0C	product designation Soft starter	
product type designation manufacturer's article number of standard HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 400 V of circuit breaker usable at 400 V at inside-delta circuit of the gG fuse usable at 500 V of the gG fuse usable at inside-delta circuit up to 500 V of back-up R fuse link for semiconductor protection manufacturer's article number 3RW5980-0H500 3RW5980-0CF00 3RW5980-0CP00 3RW598	product accignates	
 manufacturer's article number of standard HMI module usable of high feature HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable at 500 V at inside-delta circuit of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of standard HMI module usable 3RW5980-0CB00 3RW5980-0CP00 3RW5980-0CP00	product type designation 3RW52	
 of standard HMI module usable of high feature HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of standard HMI module usable 3RW5980-0L500 3RW5980-0CP00 3RW5980-0	F	
 of high feature HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of tull range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of properties of communication module PROFIBUS usable and SRW5980-0C500 3RW5980-0CP00 3RW5980-0CP00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CF00 3RW598	manufacturer's article number	
 of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CE00 3RW5980-0CE00<	• of standard HMI module usable 3RW5980-0HS00	
usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection is alw5980-0CP00 3RW5980-0CR00 3RW5980-0CE00 3RW2032-4WA10: Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4WA10: Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10: Type of coordination 1, Iq = 10 kA, CLASS 10 3RV2032-4RA10: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 2, Iq = 65 kA 3NE1820-0: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA	• of high feature HMI module usable 3RW5980-0HF00	
 of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CT00 3RW5980-0CE00 3RW5980-0CE00		
 of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CR00 3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1820-0; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	• of communication module PROFIBUS usable <u>3RW5980-0CP00</u>	
 of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of tull range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1820-0; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	• of communication module Modbus TCP usable 3RW5980-0CT00	
 of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of circuit breaker usable at 400 V at inside-delta circuit up to 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1820-0; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	• of communication module Modbus RTU usable 3RW5980-0CR00	
 of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1820-0; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	● of communication module Ethernet/IP 3RW5980-0CE00	
 of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RV2032-4RA10: Type of coordination 1, Iq = 65 kA, CLASS 10 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NE1820-0: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 	• of circuit breaker usable at 400 V 3RV2032-4WA10; Type of coordin	nation 1, Iq = 65 kA, CLASS 10
 of circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1820-0; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	• of circuit breaker usable at 500 V 3RV2032-4WA10; Type of coording	nation 1, lq = 10 kA, CLASS 10
 of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NE1820-0: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 		ation 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NE1820-0: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 		ation 1, Iq = 10 kA, CLASS 10
 500 V • of full range R fuse link for semiconductor protection usable up to 690 V • of back-up R fuse link for semiconductor protection 3NE1820-0: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 	• of the gG fuse usable up to 690 V 3NA3824-6: Type of coordination	<u>1, lq = 65 kA</u>
usable up to 690 V ■ of back-up R fuse link for semiconductor protection 3NE8024-1; Type of coordination 2, Iq = 65 kA		1, Iq = 65 kA
		2, Iq = 65 kA
		2, Iq = 65 kA

General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
 UL approval 	Yes
CSA approval	Yes
product component	
 HMI-High Feature 	No
 is supported HMI-Standard 	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3

trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
for main current circuit	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	
ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
• pump ramp down	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Electronic motor overload protection
evaluation of thermistor motor protection	No
• inside-delta circuit	Yes
auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display orrestagles by	Yes; Only in conjunction with special accessories Yes; Only in conjunction with special accessories
• error logbook	
via software parameterizable	No Voc
• via software configurable	Yes Yes; in connection with the PROFINET Standard communication
PROFlenergy	module
• firmware update	Yes
removable terminal for control circuit	Yes
• torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	
operational current	
at 40 °C rated value	38 A
at 50 °C rated value	34 A
at 60 °C rated value	31 A
operational current at inside-delta circuit	
• at 40 °C rated value	65.8 A
at 50 °C rated value	58 A
at 60 °C rated value	52.8 A
operating voltage	02.071
• rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative telerance of the operating voltage	-15 % 10 %
relative positive tolerance of the operating voltage	
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
	10 %

e at 230 V at leside-delta circuit at 40°C rated value	-t 000 V -t 40 °Ct-d	44 130
e at 400 V at 40°C rated value at 400 V at most evente location at 40°C rated value Operating frequency 1 rated value Operating frequency 2 rated value Committee to committee the operating frequency relative positive tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current • at rotary coding switch on switch position 1 • at rotary coding switch on switch position 2 • at rotary coding switch on switch position 4 • at rotary coding switch on switch position 6 • at rotary coding switch on switch position 6 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 8 • at rotary coding switch on switch position 8 • at rotary coding switch on switch position 9 • at rotary coding switch on switch position 9 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 15 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 19 • at rotary coding switch on switch position 19 • at rotary coding switch 10 • at rotary	• at 230 V at 40 °C rated value	11 kW
and 400 V all miside-detals circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency adjustable motor current a trolary coding switch on switch position 1 a trolary coding switch on switch position 3 a trolary coding switch on switch position 5 at rolary coding switch on switch position 6 at rolary coding switch on switch position 7 at rolary coding switch on switch position 7 at rolary coding switch on switch position 8 at rolary coding switch on switch position 8 at rolary coding switch on switch position 8 at rolary coding switch on switch position 10 at rolary coding switch on switch position 12 at rolary coding switch on switch position 14 at rolary coding switch on switch position 15 at rolary coding switch on switch position 16 at rolary coding switch 16 at rolary		
Operating frequency 1 rated value Operating frequency 2 rated value Operating frequency 2 rated value Operating frequency 2 rated value Obtained by the control of the operating frequency 2 relative negative tolerance of the operating frequency 3 relative positive tolerance of the operating frequency 3 rate of colors of the operating frequency 3 rate of colors of the operating frequency 3 rate of colors of the operating frequency 4 of the operating frequency 4 of colors of colors of the operating frequency 4 of colors of colors of the operating frequency 4 of colors of colors of the operating frequency 4 of colors of colors of the operating frequency 4 of colors of col		
Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current • at rotary coding switch on switch position 1 • at rotary coding switch on switch position 3 • at rotary coding switch on switch position 3 • at rotary coding switch on switch position 5 • at rotary coding switch on switch position 5 • at rotary coding switch on switch position 6 • at rotary coding switch on switch position 6 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 8 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 12 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 15 • at rotary coding switch on switch position 15 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • for risde-delta circuit at rotary coding switch on switch position 3 • for risde-delta circuit at rotary cod		
relative positive tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current • at rotary coding switch on switch position 1 • at rotary coding switch on switch position 2 • at rotary coding switch on switch position 3 • at rotary coding switch on switch position 6 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 12 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 14 • at rotary coding switch on switch position 14 • at rotary coding switch on switch position 14 • at rotary coding switch on switch position 15 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • for inside-detal circuit at rotary coding switch on switch position 16 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on switch position 10 • for inside-detal circuit at rotary coding switch on swi		
adjustable motor current if totary coding switch on switch position 1 if totary coding switch on switch position 2 if totary coding switch on switch position 3 if totary coding switch on switch position 3 if totary coding switch on switch position 4 if totary coding switch on switch position 5 if totary coding switch on switch position 6 if totary coding switch on switch position 7 if totary coding switch on switch position 7 if totary coding switch on switch position 8 if totary coding switch on switch position 10 if totary coding switch on switch position 12 if totary coding switch on switch position 14 if totary coding switch on switch position 14 if totary coding switch on switch position 14 if totary coding switch on switch position 15 if totary coding switch on switch position 16 if totary coding switch on switch position 18 if totary coding switch 18 if totary coding swi	,	
adjustable motor current • at rotary coding switch on switch position 1 • at rotary coding switch on switch position 2 • at rotary coding switch on switch position 3 • at rotary coding switch on switch position 4 • at rotary coding switch on switch position 5 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 9 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 14 • at rotary coding switch on switch position 13 • at rotary coding switch on switch position 14 • at rotary coding switch on switch position 15 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 16 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switch on switch position 10 • for inside-detate circuit at rotary coding switc		
at rotary coding switch on switch position 2 at rotary coding switch on switch position 3 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 6 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 7 at rotary coding switch on switch position 7 at rotary coding switch on switch position 10 at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 13 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 10 of inside-deta circuit at rotary coding switch on switch position 2 of inside-detale accult at rotary coding switch on switch position 3 of inside-detale accult at rotary coding switch on switch position 3 of inside-detale accult at rotary coding switch on switch position 6 of inside-detale accult at rotary coding switch on switch position 6 of inside-detale accult at rotary coding switch on switch position 6 of inside-detale accult at rotary coding switch on switch position 6 of inside-detale accult at rotary coding switch on switch position 5 of inside-detale accult at rotary coding switch on switch position 6 of inside-detale accult at rotary coding switch on switch position 1 of on inside-detale accult at rotary coding switch on switch position 1 of inside-detale accult at rotary coding switch on switch position 1 of inside-detale accult at rotary coding switch on switch position 15 of inside-detale accult at rotary coding switch on switch position 15 of inside-detale accult at		10 76
al rotary coding switch on switch position 2 at rotary coding switch on switch position 3 at rotary coding switch on switch position 4 at rotary coding switch on switch position 6 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 17 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 2 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 16 for inside-de	•	15 5 A
at rotary coding switch on switch position 3 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 at rotary coding switch on switch position 10 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 10 of inside-delta circuit at rotary coding switch on switch position 2 of inside-delta circuit at rotary coding switch on switch position 3 of inside-delta circuit at rotary coding switch on switch position 4 of inside-delta circuit at rotary coding switch on switch position 5 of inside-delta circuit at rotary coding switch on switch position 4 of inside-delta circuit at rotary coding switch on switch position 4 of inside-delta circuit at rotary coding switch on switch position 5 of inside-delta circuit at rotary coding switch on switch position 6 of inside-delta circuit at rotary coding switch on switch position 6 of inside-delta circuit at rotary coding switch on switch position 7 of inside-delta circuit at rotary coding switch on switch position 13 of inside-delta circuit at rotary coding switch on switch position 15 of inside-delta circuit at rotary coding switch on switch position 15 of inside-delta circuit at rotary coding switch on switch position 15 of inside-delta circuit at rotary coding switch on switch position 15 of inside-delta circuit at rotary coding switch on switch position 15 of inside-delta circuit at rotary coding switch on switch position		
at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 at rotary coding switch on switch position 8 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 at rotary coding switch on switch position 14 at rotary coding switch on switch position 16 at rotary coding switch on switch position 17 at rotary coding switch on switch position 18 at rotary coding switch on switch position 19 at rotary coding switch on switch position 2 at rotary coding switch on switch position 3 at rotary coding switch on switch position 3 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 6 at rotary coding switch on switch position 19 at rotary coding switch on switch position 10 at rotary coding switch on switch position 10 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch p		
e at rotary coding switch on switch position 5 at rotary coding switch on switch position 7 at rotary coding switch on switch position 7 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 17 at rotary coding switch on switch position 16 at rotary coding switch on switch position 17 at rotary coding switch on switch position 18 at rotary coding switch on switch position 19 at rotary coding switch on switch position 2 at rotary coding switch on switch position 3 at rotary coding switch on switch position 3 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 at rinside-delta circuit at rotary coding switch on switch position 6 at rinside-delta circuit at rotary coding switch on switch position 9 at rinside-delta circuit at rotary coding switch on switch position 10 at rinside-delta circuit at rotary coding switch on switch position 10 at rinside-delta circuit at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 a	, ,	
at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 minimum inside-delta circuit at rotary coding switch on switch position 1 at rotary coding switch or switch position 1 at rotary coding switch on switch position 3 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 6 at rotary coding switch on switch position 6 at rotary coding switch on switch position 1 at rotary coding switch o		
at rotary coding switch on switch position 7 at rotary coding switch on switch position 9 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at minimum 5.5 A adjustable motor current 6 for inside-delta circuit at rotary coding switch on switch position 1 6 for inside-delta circuit at rotary coding switch on switch position 2 6 for inside-delta circuit at rotary coding switch on switch position 4 6 for inside-delta circuit at rotary coding switch on switch position 5 7 for inside-delta circuit at rotary coding switch on switch position 7 8 for inside-delta circuit at rotary coding switch on switch position 9 8 for inside-delta circuit at rotary coding switch on switch position 9 9 for inside-delta circuit at rotary coding switch on switch position 9 10 for inside-delta circuit at rotary coding switch on switch position 9 11 for inside-delta circuit at rotary coding switch on switch position 10 12 for inside-delta circuit at rotary coding switch on switch position 10 13 for inside-delta circuit at rotary coding switch on switch position 13 14 for inside-delta circuit at rotary coding switch on switch position 13 15 for inside-delta circuit at rotary coding switch on switch position 13 16 for inside-delta circuit at rotary coding switch on switch position 14 17 for inside-delta circuit at rotary coding switch on switch position 15 18 for inside-delta circuit at rotary coding switch on switch position 16 19 for inside-delta circuit at rotary coding switch on switch position 16 10 for inside-delta circuit at rotary coding switch on switch position 1		
at rotary coding switch on switch position 8 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 for inside-dettal circuit at rotary coding switch on switch position 1 for inside-dettal circuit at rotary coding switch on switch position 2 for inside-dettal circuit at rotary coding switch on switch position 4 for inside-dettal circuit at rotary coding switch on switch position 5 for inside-dettal circuit at rotary coding switch on switch position 5 for inside-dettal circuit at rotary coding switch on switch position 6 for inside-dettal circuit at rotary coding switch on switch position 6 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 12 for inside-dettal circuit at rotary coding switch on switch position 15 for inside-dettal circuit at rotary coding switch on switch position 15 for inside-dettal cir		
at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 1 for inside-deltal circuit at rotary coding switch on switch position 2 for inside-deltal circuit at rotary coding switch on switch position 5 for inside-deltal circuit at rotary coding switch on switch position 5 for inside-deltal circuit at rotary coding switch on switch position 6 for inside-deltal circuit at rotary coding switch on switch position 7 for inside-deltal circuit at rotary coding switch on switch position 7 for inside-deltal circuit at rotary coding switch on switch position 7 for inside-deltal circuit at rotary coding switch on switch position 7 for inside-deltal circuit at rotary coding switch on switch position 10 for inside-deltal circuit at rotary coding switch on switch position 10 for inside-deltal circuit at rotary coding switch on switch position 10 for inside-deltal circuit at rotary coding switch on switch position 13 for inside-deltal circuit at rotary coding switch on switch position 13 for inside-deltal circuit at rotary coding switch on switch position 13 for inside-deltal circuit at rotary coding switch on switch position 13 for inside-deltal circuit at rotary coding switch on switch position 13 for inside-deltal circuit at rotary coding switch on switch position 15 for inside-deltal circuit at rotary coding switch on switch position 15 for inside-deltal circuit at rotary coding switch on switch position		=
at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 30.5 A at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 10 for inside-detal circuit at rotary coding switch on switch position 2 for inside-detal circuit at rotary coding switch on switch position 2 for inside-detal circuit at rotary coding switch on switch position 3 for inside-detal circuit at rotary coding switch on switch position 3 for inside-detal circuit at rotary coding switch on switch position 5 for inside-detal circuit at rotary coding switch on switch position 5 for inside-detal circuit at rotary coding switch on switch position 6 for inside-detal circuit at rotary coding switch on switch position 9 for inside-detal circuit at rotary coding switch on switch position 9 for inside-detal circuit at rotary coding switch on switch position 10 for inside-detal circuit at rotary coding switch on switch position 10 for inside-detal circuit at rotary coding switch on switch position 10 for inside-detal circuit at rotary coding switch on switch position 11 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at rotary coding switch on switch position 14 for inside-detal circuit at r		
at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 minimum adjustable motor current for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 2 for inside-delta circuit at rotary coding switch on switch position 2 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 for inside-delta circ	, ,	
at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 at minimum 15.5 A adjustable motor current for inside-deta circuit at rotary coding switch on switch position 1 for inside-deta circuit at rotary coding switch on switch position 2 for inside-deta circuit at rotary coding switch on switch position 3 for inside-deta circuit at rotary coding switch on switch position 4 for inside-deta circuit at rotary coding switch on switch position 5 for inside-deta circuit at rotary coding switch on switch position 6 for inside-deta circuit at rotary coding switch on switch position 6 for inside-deta circuit at rotary coding switch on switch position 6 for inside-deta circuit at rotary coding switch on switch position 6 for inside-deta circuit at rotary coding switch on switch position 7 for inside-deta circuit at rotary coding switch on switch position 8 for inside-deta circuit at rotary coding switch on switch position 10 for inside-deta circuit at rotary coding switch on switch position 10 for inside-deta circuit at rotary coding switch on switch position 10 for inside-deta circuit at rotary coding switch on switch position 10 for inside-deta circuit at rotary coding switch on switch position 10 for inside-deta circuit at rotary coding switch on switch position 12 for inside-deta circuit at rotary coding switch on switch position 14 for inside-deta circuit at rotary coding switch on switch position 15 for inside-deta circuit at rotary coding switch on switch position 15 for inside-deta circuit at rotary coding switch on switch position 16 at inside-deta circuit at rotary coding switch on switch position 16 at inside-deta circuit at rotary coding switch on switch position 16 at inside-deta circuit at rotary coding switch on switch		
at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 adjustable motor current for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 2 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 for inside-delta circuit at rotary coding switch on switch position 15 for		
at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 an iminimum 15.5 A adjustable motor current for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 for inside-delta circuit at rotary coding switch on switch position 16 for inside-delta circuit at rotary coding switch on switch position 16 for inside-delta circuit at rotary coding switch on switch position 16 for inside-delta circuit at rotary coding switch on	,	
at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 a minimum adjustable motor current for inside-delta circuit at rotary coding switch on switch position 2 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch po		
 at rotary coding switch on switch position 16 minimum adjustable motor current for inside-delta circuit at rotary coding switch on switch position 1 for inside-delta circuit at rotary coding switch on switch position 2 for inside-delta circuit at rotary coding switch on switch position 3 for inside-delta circuit at rotary coding switch on switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 a tinside-delta circuit at rotary coding switch on switch position 16 a tinside-delta circuit minimum 26.8 A minimum load [%] for inside-delta circuit minimum 26.8 A 		36.5 A
adjustable motor current • for inside-delta circuit at rotary coding switch on switch position 1 • for inside-delta circuit at rotary coding switch on switch position 2 • for inside-delta circuit at rotary coding switch on switch position 3 • for inside-delta circuit at rotary coding switch on switch position 3 • for inside-delta circuit at rotary coding switch on switch position 4 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]		38 A
• for inside-delta circuit at rotary coding switch on switch position 1 • for inside-delta circuit at rotary coding switch on switch position 2 • for inside-delta circuit at rotary coding switch on switch position 3 • for inside-delta circuit at rotary coding switch on switch position 4 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	• minimum	15.5 A
switch position 1 • for inside-delta circuit at rotary coding switch on switch position 2 • for inside-delta circuit at rotary coding switch on switch position 3 • for inside-delta circuit at rotary coding switch on switch position 4 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	adjustable motor current	
• for inside-delta circuit at rotary coding switch on switch position 3 • for inside-delta circuit at rotary coding switch on switch position 4 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]		26.8 A
• for inside-delta circuit at rotary coding switch on switch position 4 • for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]		29.4 A
 switch position 4 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit minimum 26.8 A minimum load [%] 37.2 A 39.8 A 47.6 A 39.8 A 47.6 A 39.8 A 47		32 A
switch position 5 • for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	, ,	34.6 A
switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum minimum load [%] 42.4 A 45.6 45.8 45.8 47.6 47.6 45.8 47.6 45.8 45.8 47.6 45.8 47.6 45.8 45.8 47.6 45.8 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 47.6 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 45.8 47.6 47.6 45.8 47.6 45.8 47.6 47.6 45.8 47.6 47.6 45.8 47.6 47.	switch position 5	37.2 A
switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	switch position 6	
 switch position 8 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit minimum 26.8 A 	switch position 7	
switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	switch position 8	
switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	switch position 9	
switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%]	switch position 10	
switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum 26.8 A minimum load [%] 58 A 60.6 A 63.2 A 65.8 A	switch position 11	
switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum minimum load [%] 60.6 A 63.2 A 65.8 A 65.8 A 56.8 A	switch position 12	
switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum minimum load [%] 63.2 A 65.8 A 26.8 A minimum load [%]	switch position 13	
switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum minimum load [%] 65.8 A 26.8 A 15 %; Relative to smallest settable le	switch position 14	
switch position 16	switch position 15	
minimum load [%] 15 %; Relative to smallest settable le	switch position 16	
	power loss [W] for rated value of the current at AC	10 70, Notativo to officialist detable to
• at 40 °C after startup 23 W		23 W
• at 50 °C after startup 22 W	•	22 W

at 60 °C after startus	04 M
• at 60 °C after startup	21 W
power loss [W] at AC at current limitation 350 %	620 M
• at 40 °C during startup	628 W
 at 50 °C during startup 	526 W
at 60 °C during startup	464 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
● at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
locked-rotor current at close of bypass contact	0.17 A
maximum	
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
design of short-circuit protection for control circuit Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs number of digital inputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs number of digital inputs number of digital outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs ont parameterizable digital output version number of analog outputs switching capacity current of the relay outputs otal AC-15 at 250 V rated value otal DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting oforwards backwards upwards downwards at the side weight without packaging	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 5 mm 2.3 kg

·	
type of connectable conductor cross-sections	
• for main contacts	0 (40 05 3) 0 (05 40 3)
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
 finely stranded with core end processing 	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)
type of connectable conductor cross-sections	
 for control circuit solid 	2x (0.25 1.5 mm²)
 for control circuit finely stranded with core end 	2x (0.25 1.5 mm²)
processing	0 (04 40)
at AWG cables for control circuit solid	2x (24 16)
 at AWG cables for control circuit finely stranded with core end processing 	2x (24 16)
wire length	
between soft starter and motor maximum	800 m
at the digital inputs at AC maximum	100 m
tightening torque	100 111
for main contacts with screw-type terminals	2 2.5 N·m
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	0.0 1.2 N III
tightening torque [lbf·in]	
for main contacts with screw-type terminals	18 22 lbf·in
for auxiliary and control contacts with screw-type	7 10.3 lbf·in
terminals	
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or
	above
during storage and transport	-40 +80 °C
environmental category	
 during operation according to IEC 60721 	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
 during storage according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
during storage according to IEC 00721	not get inside the devices), 1M4
 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
• EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	100
manufacturer's article number	
of circuit breaker	
- usable for Standard Faults at 460/480 V	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA
according to UL	Glorifold type. Sixv27-2, illax. 10 A Ol SVAST, illax. 125 A, iq = 3 KA
usable for High Faults at 460/480 V according	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65
to UL	kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA
 usable for High Faults at 460/480 V at inside- delta circuit according to UL 	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA
 usable for Standard Faults at 575/600 V according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA
 usable for Standard Faults at 575/600 V at inside-delta circuit according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA
• of the fuse	
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 150 A; lq = 5 kA
 usable for High Faults up to 575/600 V according to UL 	Type: Class J / L, max. 150 A; Iq = 100 kA

 usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 150 A; lq = 5 kA	
 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 150 A; Iq = 100 kA	
operating power [hp] for 3-phase motors		
 at 200/208 V at 50 °C rated value 	10 hp	
 at 220/230 V at 50 °C rated value 	10 hp	
 at 460/480 V at 50 °C rated value 	20 hp	
 at 200/208 V at inside-delta circuit at 50 °C rated value 	15 hp	
 at 220/230 V at inside-delta circuit at 50 °C rated value 	20 hp	
• at 460/480 V at inside-delta circuit at 50 °C rated value	40 hp	
contact rating of auxiliary contacts according to UL	R300-B300	
Safety related data		
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
electromagnetic compatibility	in accordance with IEC 60947-4-2	
Certificates/ approvals		
General Product Approval		EMC

(1)

Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5217-3AC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5217-3AC14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW5217-3AC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

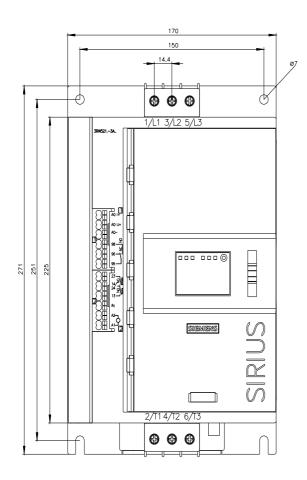
https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC14/char

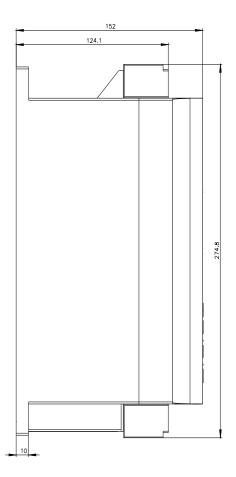
Characteristic: Installation altitude

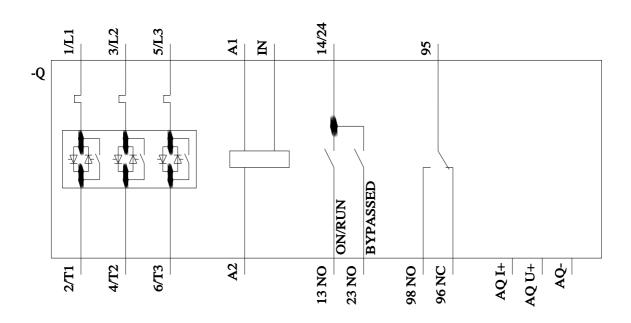
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5217-3AC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







last modified: 4/10/2022 🖸