

DRAFT February 1, 2010

Controls – Contactors and Contactor Assemblies

Introduction

Overview



Size
Type

S00
3RT20 1

S0
3RT20 2

3RT20 contactors

Type		3RT20 15	3RT20 16	3RT20 17	3RT20 18	3RT20 23	3RT20 24	3RT20 25	3RT20 26
AC, DC operation		(p. 3/8, 3/11)				(p. 3/9, 3/12)			
Type		--				--			
AC-3									
I_e /AC-3/400 V	A	7	9	12	16	9	12	17	25
400 V	kW	3	4	5.5	7.5	4	5.5	7.5	11
230 V	kW	2.2	3	3	4	3	3	4	5.5
500 V	kW	3.5	4.5	5.5	7.5	4.5	7.5	10	11
690 V	kW	4	5.5	5.5	7.5	5.5	7.5	11	11
1 000 V	kW	--	--	--	--	--	--	--	--
AC-4 (for $I_a = 6 \times I_e$)									
400 V	kW	3	4	4	5.5	4	5.5	7.5	7.5
400 V (200 000 operating cycles)	kW	1.15	2	2	2.5	2	2.6	3.5	4.4
AC-1 (40 °C, ≤ 690 V)									
I_e	3RT20 A	18	22	22	22	40	40	40	50

Accessories for contactors

Auxiliary switch blocks	front	3RH29 11	(p. 3/84)	3RH29 11	(p. 3/84)
	lateral	3RH29 11		3RH29 21	(p. 3/85)
Timing relay blocks		3RA28 1.	(p. 3/70)	3RA28 1.	(p. 3/70)
Function modules		3RA27 1.-. AA00	(p. 3/75, 3/79)	3RA27 1.-. AA00	(p. 3/75, 3/79)
Surge suppressors		3RT29 16	(p. 3/89)	3RT29 26	(p. 3/89)

3RU2 and 3RB3 overload relays (Protection Equipment → Overload Relays)

3RU21, thermal, CLASS 10	3RU21 16	0.11 ... 16 A (Chap. 5)	3RU21 26	1.8 ... 40 A (Chap. 5)
3RB30/31, solid-state, CLASS 5, 10, 20 and 30	3RB30 16 3RB31 13	0.1 ... 16 A (Chap. 5)	3RB30 26 3RB31 23	0.1 ... 40 A (Chap. 5)

3RV20 motor starter protectors (Protection Equipment → Motor Starter Protectors)

Type	3RV20 11	0.11 ... 16 A (Chap. 5)	3RV20 21	11 ... 40 A (Chap. 5)
Link modules	3RA29 11	(Chap. 5)	3RA29 21	(Chap. 5)

3RA23 reversing contactor assemblies

Complete units	Type	3RA23 15	3RA23 16	3RA23 17	3RA23 18	--	3RA23 24	3RA23 25	3RA23 26
		(p. 3/29)					(p. 3/31)		
400 V	kW	3	4	5.5	7.5		5.5	7.5	11
Assembly kits/wiring modules		3RA29 13-2AA. (p. 3/32)				--	3RA29 23-2AA. (p. 3/32)		
Function modules		3RA27 1.-. BA00 (p. 3/33)				--	3RA27 1.-. BA0 (p. 3/33)		

3RA24 contactor assemblies for wye-delta starting

Complete units	Type	3RA24 15	3RA24 16	3RA24 17	3RA24 23	3RA24 25	3RA24 26
		(p. 3/37)			(p. 3/39)		
400 V	kW	5.5	7.5	11	11	15/18.5	22
Assembly kits/wiring modules		3RA29 13-2BB. (p. 3/41)			3RA29 23-2BB. (p. 3/41)		
Function modules		3RA27 1.-. CA00 (p. 3/42)			3RA27 1.-. CA00 (p. 3/42)		

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3RT Power Contactors for Switching Motors

3RT20 contactors, 3-pole, 3 ... 18.5 kW

Selection and ordering data

AC operation

PU (UNIT, SET, M) = 1
 PS* = 1 UNIT
 PG = 101



3RT20 1.-1A...



3RT20 1.-2A...



3RT20 1.-1AP04-3MA0



3RT20 1.-2AP04-3MA0

Rated data		Auxiliary contacts		Rated control supply voltage U_c at 50/60 Hz	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals	
AC-2 and AC-3, T_u : up to 60 °C	AC-1, T_u : 40 °C	Ident. No.	Version			Order No.	Price per PU			Order No.	
Operational current I_e up to 400 V	Rating of induction motors at 50 Hz and 400 V	Operational current I_e up to 690 V									
A	kW	A						kg			

For screw and snap-on mounting onto TH 35 standard mounting rail

Size S00¹⁾²⁾

Terminal designations according to EN 50012

7	3	18	10 E	1	--	24 110 230	A	3RT20 15-1AB01 3RT20 15-1AF01 3RT20 15-1AP01	0.280 A 0.280 B 0.280 A	3RT20 15-2AB01 3RT20 15-2AF01 3RT20 15-2AP01
			01	--	1	24 110 230	A	3RT20 15-1AB02 3RT20 15-1AF02 3RT20 15-1AP02	0.280 A 0.280 B 0.280 B	3RT20 15-2AB02 3RT20 15-2AF02 3RT20 15-2AP02
9	4	22	10 E	1	--	24 110 230	A	3RT20 16-1AB01 3RT20 16-1AF01 3RT20 16-1AP01	0.280 A 0.280 B 0.280 A	3RT20 16-2AB01 3RT20 16-2AF01 3RT20 16-2AP01
			01	--	1	24 110 230	A	3RT20 16-1AB02 3RT20 16-1AF02 3RT20 16-1AP02	0.280 B 0.280 B 0.280 B	3RT20 16-2AB02 3RT20 16-2AF02 3RT20 16-2AP02
12	5.5	22	10 E	1	--	24 110 230	A	3RT20 17-1AB01 3RT20 17-1AF01 3RT20 17-1AP01	0.280 B 0.280 B 0.280 B	3RT20 17-2AB01 3RT20 17-2AF01 3RT20 17-2AP01
			01	--	1	24 110 230	A	3RT20 17-1AB02 3RT20 17-1AF02 3RT20 17-1AP02	0.280 B 0.280 B 0.280 B	3RT20 17-2AB02 3RT20 17-2AF02 3RT20 17-2AP02
16	7.5	22	10 E	1	--	24 110 230	B	3RT20 18-1AB01 3RT20 18-1AF01 3RT20 18-1AP01	0.280 B 0.280 B 0.280 B	3RT20 18-2AB01 3RT20 18-2AF01 3RT20 18-2AP01
			01	--	1	24 110 230	B	3RT20 18-1AB02 3RT20 18-1AF02 3RT20 18-1AP02	0.280 B 0.280 B 0.280 B	3RT20 18-2AB02 3RT20 18-2AF02 3RT20 18-2AP02

Size S00²⁾

With permanently mounted auxiliary switch block

Terminal designations according to EN 50012

7	3	18	22 E	2	2	230	B	3RT20 15-1AP04-3MA0	0.280 B	3RT20 15-2AP04-
9	4	22	22 E	2	2	230	B	3RT20 16-1AP04-3MA0	0.280 B	3RT20 16-2AP04-
12	5.5	22	22 E	2	2	230	B	3RT20 17-1AP04-3MA0	0.280 B	3RT20 17-2AP04-
16	7.5	22	22 E	2	2	230	B	3RT20 18-1AP04-3MA0	0.280 B	3RT20 18-2AP04-

For other voltages see page 3/15, for contactors with permanently mounted auxiliary switch block please inquire.

For accessories, see page 3/84.

¹⁾ The 3RT20 contactors are also available with ring. Please contact your local Siemens representative for special contactor versions with ring terminal lug.

²⁾ For size S00: Coil operating range at 50 Hz: 0.8 ... 1.1 × U_s , at 60 Hz: 0.85 ... 1.1 × U_s .

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3RT Power Contactors for Switching

3RT20 contactors, 3

AC operation

PU (UNIT, SET, M) = 1
PS* = 1 UNIT
PG = 101



3RT20 2.-1A.00



3RT20 2.-2A.00



3RT20 2.-1A.04



3RT20 2.-2A.04

Rated data		Auxiliary contacts	Rated control supply voltage U_s at 50 Hz	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals	
AC-2 and AC-3, T_u : up to 60 °C	AC-1, T_u : 40 °C				Order No.	Price per PU			Order No.	
Operational current I_e up to	Rating of induction motors at 50 Hz and	Operational current I_e up to								
400 V	400 V	690 V								
A	kW	A					kg			

For screw and snap-on mounting onto TH 35 standard mounting rail

Size S0¹⁾

12	5.5	40	11 E	1	1	24	A	3RT20 24-1AB00	0.460 B	3RT20 24-2AB00
						110	A	3RT20 24-1AF00	0.460 B	3RT20 24-2AF00
						230	A	3RT20 24-1AP00	0.460 B	3RT20 24-2AP00
17	7.5	40	11 E	1	1	24	A	3RT20 25-1AB00	0.460 B	3RT20 25-2AB00
						110	A	3RT20 25-1AF00	0.460 B	3RT20 25-2AF00
						230	A	3RT20 25-1AP00	0.460 B	3RT20 25-2AP00
25	11	40	11 E	1	1	24	A	3RT20 26-1AB00	0.460 A	3RT20 26-2AB00
						110	A	3RT20 26-1AF00	0.460 B	3RT20 26-2AF00
						230	A	3RT20 26-1AP00	0.460 B	3RT20 26-2AP00
32	15	50	11 E	1	1	24	B	3RT20 27-1AB00	0.460 B	3RT20 27-2AB00
						110	A	3RT20 27-1AF00	0.460 B	3RT20 27-2AF00
						230	A	3RT20 27-1AP00	0.460 B	3RT20 27-2AP00
38	18.5	50	11 E	1	1	24	B	3RT20 28-1AB00	0.460 B	3RT20 28-2AB00
						110	B	3RT20 28-1AF00	0.460 B	3RT20 28-2AF00
						230	A	3RT20 28-1AP00	0.460 B	3RT20 28-2AP00

Size S0

With mounted auxiliary switch block (removable)²⁾

Terminal designations according to EN 50012

12	5.5	40	22 E	2	2	24	B	3RT20 24-1AB04	0.460 B	3RT20 24-2AB04
						110	B	3RT20 24-1AF04	0.460 B	3RT20 24-2AF04
						230	A	3RT20 24-1AP04	0.460 B	3RT20 24-2AP04
17	7.5	40	22 E	2	2	24	B	3RT20 25-1AB04	0.460 B	3RT20 25-2AB04
						110	B	3RT20 25-1AF04	0.460 B	3RT20 25-2AF04
						230	A	3RT20 25-1AP04	0.460 B	3RT20 25-2AP04

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3RT Power Contactors for Switching Motors

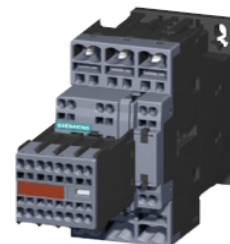
3RT20 contactors, 3-pole, 3 ... 18.5 kW

AC operation

PU (UNIT, SET, M) = 1
 PS* = 1 UNIT
 PG = 101



3RT20 2.-1AL24-3MA0



3RT20 2.-2AL24-3MA0

Rated data		Auxiliary contacts		Rated control supply voltage U_c at 50/60 Hz	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals	
AC-2 and AC-3, T_U : up to 60 °C	AC-1, T_U : 40 °C	Operational current I_e up to	Rating of induction motors at 50 Hz and			Order No.	Price per PU			Order No.	Price per PU
400 V	400 V	690 V									
A	kW	A		NO NC V AC				kg			

For screw and snap-on mounting onto TH 35 standard mounting rail

Size S0

With permanently mounted auxiliary switch block

Terminal designations according to EN 50012

12	5.5	40	22 E	2	2	230	B	3RT20 24-1AL24-3MA0	0.460	B	3RT20 24-2AL24-3MA0
17	7.5	40	22 E	2	2	230	B	3RT20 25-1AL24-3MA0	0.460	B	3RT20 25-2AL24-3MA0
25	11	40	22 E	2	2	230	B	3RT20 26-1AL24-3MA0	0.460	B	3RT20 26-2AL24-3MA0
32	15	50	22 E	2	2	230	B	3RT20 27-1AL24-3MA0	0.460	B	3RT20 27-2AL24-3MA0
38	18.5	50	22 E	2	2	230	B	3RT20 28-1AL24-3MA0	0.460	B	3RT20 28-2AL24-3MA0

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3RT Power Contactors for Switching

3RT20 contactors, 3-p

DC operation · DC solenoid system

PU (UNIT, SET, M) = 1
PS* = 1 UNIT
PG = 101



3RT20 1.-1B...



3RT20 1.-2B...



3RT20 1.-1BB44-3MA0



3RT20 1.-2BB44-3

Rated data		Auxiliary contacts	Rated control supply voltage U_s	DT	Screw terminals	Weight per PU approx.	DT	Spring-type terminals
AC-2 and AC-3, T_U : up to 60 °C	AC-1, T_U : 40 °C							
Operational current I_e up to	Rating of induction motors at 50 Hz and	Ident. No.	Version		Order No.	Price per PU		Order No.
400 V	400 V							
A	kW						kg	

For screw and snap-on mounting onto TH 35 standard mounting rail

Size S00¹⁾

Terminal designations according to EN 50012

7	3	18	10 E	1	--	24	A	3RT20 15-1BB41	0.280	A	3RT20 15-2BB41
						220	A	3RT20 15-1BM41	0.280	B	3RT20 15-2BM41
			01	--	1	24	A	3RT20 15-1BB42	0.280	A	3RT20 15-2BB42
						220	B	3RT20 15-1BM42	0.280	B	3RT20 15-2BM42
9	4	22	10 E	1	--	24	A	3RT20 16-1BB41	0.280	A	3RT20 16-2BB41
						220	B	3RT20 16-1BM41	0.280	B	3RT20 16-2BM41
			01	--	1	24	A	3RT20 16-1BB42	0.280	A	3RT20 16-2BB42
						220	B	3RT20 16-1BM42	0.280	B	3RT20 16-2BM42
12	5.5	22	10 E	1	--	24	A	3RT20 17-1BB41	0.280	A	3RT20 17-2BB41
						220	B	3RT20 17-1BM41	0.280	B	3RT20 17-2BM41
			01	--	1	24	A	3RT20 17-1BB42	0.280	A	3RT20 17-2BB42
						220	B	3RT20 17-1BM42	0.280	B	3RT20 17-2BM42
16	7.5	22	10 E	1	--	24	A	3RT20 18-1BB41	0.280	B	3RT20 18-2BB41
						220	B	3RT20 18-1BM41	0.280	B	3RT20 18-2BM41
			01	--	1	24	A	3RT20 18-1BB42	0.280	B	3RT20 18-2BB42
						220	B	3RT20 18-1BM42	0.280	B	3RT20 18-2BM42

Size S00

With permanently mounted auxiliary switch block

Terminal designations according to EN 50012

7	3	18	22 E	2	2	24	B	3RT20 15-1BB44-3MA0	0.280	B	3RT20 15-2BB44-3
9	4	22	22 E	2	2	24	B	3RT20 16-1BB44-3MA0	0.280	B	3RT20 16-2BB44-3
12	5.5	22	22 E	2	2	24	B	3RT20 17-1BB44-3MA0	0.280	B	3RT20 17-2BB44-3
16	7.5	22	22 E	2	2	24	B	3RT20 18-1BB44-3MA0	0.280	B	3RT20 18-2BB44-3

Size S00

Contactors with communication interface

Terminal designations according to EN 50012

7	3	18	10 E	1	--	24	B	3RT20 15-1BB41-0CC0	0.280	B	3RT20 15-2BB41-0
			01	--	1	24	B	3RT20 15-1BB42-0CC0	0.280	B	3RT20 15-2BB42-0
9	4	22	10 E	1	--	24	B	3RT20 16-1BB41-0CC0	0.280	B	3RT20 16-2BB41-0
			01	--	1	24	B	3RT20 16-1BB42-0CC0	0.280	B	3RT20 16-2BB42-0
12	5.5	22	10 E	1	--	24	B	3RT20 17-1BB41-0CC0	0.280	B	3RT20 17-2BB41-0
			01	--	1	24	B	3RT20 17-1BB42-0CC0	0.280	B	3RT20 17-2BB42-0
16	7.5	22	10 E	1	--	24	B	3RT20 18-1BB41-0CC0	0.280	B	3RT20 18-2BB41-0
			01	--	1	24	B	3RT20 18-1BB42-0CC0	0.280	B	3RT20 18-2BB42-0

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3RT Power Contactors for Switching Motors

3RT20 contactors, 3-pole, 3 ... 18.5 kW

DC operation · DC solenoid system

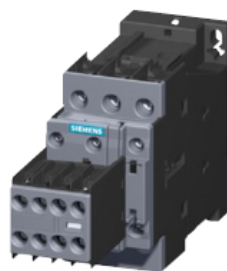
PU (UNIT, SET, M) = 1
 PS* = 1 UNIT
 PG = 101



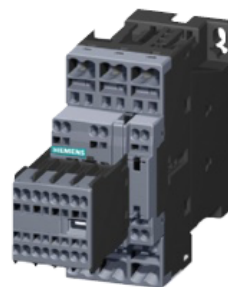
3RT20 2.-1B.40



3RT20 2.-2B.40



3RT20 2.-1B.44



3RT20 2.-2B.44

Rated data			Auxiliary contacts		Rated control supply voltage U_s	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals	
AC-2 and AC-3, T_U : up to 60 °C	AC-1, T_U : 40 °C	Operational current I_e up to	Ident. No.	Version			Order No.	Price per PU			Order No.	Price per PU
400 V	400 V	690 V										
A	kW	A			NO NC V DC				kg			

For screw and snap-on mounting onto TH 35 standard mounting rail

Size S⁰¹⁾

12	5.5	40	11 E	1	1	24 220	A	3RT20 24-1BB40	0.580 A	3RT20 24-2BB40
							B	3RT20 24-1BM40	0.580 B	3RT20 24-2BM40
17	7.5	40	11 E	1	1	24 220	A	3RT20 25-1BB40	0.580 A	3RT20 25-2BB40
							B	3RT20 25-1BM40	0.580 B	3RT20 25-2BM40
25	11	40	11 E	1	1	24 220	A	3RT20 26-1BB40	0.580 A	3RT20 26-2BB40
							B	3RT20 26-1BM40	0.580 B	3RT20 26-2BM40
32	15	50	11 E	1	1	24 220	A	3RT20 27-1BB40	0.580 A	3RT20 27-2BB40
							B	3RT20 27-1BM40	0.580 B	3RT20 27-2BM40
38	18.5	50	11 E	1	1	24 220	A	3RT20 28-1BB40	0.580 A	3RT20 28-2BB40
							B	3RT20 28-1BM40	0.580 B	3RT20 28-2BM40

Size S⁰

With mounted auxiliary switch block (removable)²⁾

Terminal designations according to DIN 50012

12	5.5	40	22 E	2	2	24	A	3RT20 24-1BB44	0.580 B	3RT20 24-2BB44
17	7.5	40	22 E	2	2	24	A	3RT20 25-1BB44	0.580 B	3RT20 25-2BB44
25	11	40	22 E	2	2	24	A	3RT20 26-1BB44	0.580 B	3RT20 26-2BB44
32	15	50	22 E	2	2	24	A	3RT20 27-1BB44	0.580 B	3RT20 27-2BB44
38	18.5	50	22 E	2	2	24	A	3RT20 28-1BB44	0.580 B	3RT20 28-2BB44

For other voltages see page 3/15, for contactors with mounted auxiliary switch block please inquire.

For accessories, see page 3/84.

¹⁾ The 3RT20 contactors are also available with ring terminal lug connection. Please contact your local Siemens representative for information on special contactor versions with ring terminal lug connection.

²⁾ Order No. for the auxiliary switch block (removable): 3RH29 11-1 (1 NO + 1 NC according to EN 50012; 22E).

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3RT Power Contactors for Switching Motors

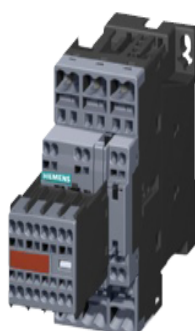
3RT20 contactors, 3-pole, 3 ... 18.5 kW

DC operation · DC solenoid system

PU (UNIT, SET, M) = 1
PS* = 1 UNIT
PG = 101



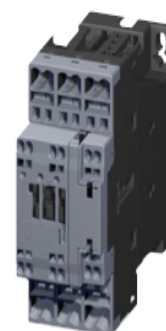
3RT20 2.-1BB44-3MA0



3RT20 2.-2BB44-3MA0



3RT20 2.-1BB40-0CC0



3RT20 2.-2BB40-0CC0

Rated data		Auxiliary contacts		Rated control supply voltage U_g	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.
AC-2 and AC-3, T_U : up to 60 °C	AC-1, T_U : 40 °C	Operational current I_e up to	Rating of induction motors at 50 Hz and	Operational current I_e up to	Ident. No.	Version	Order No.	Price per PU		Order No.	Price per PU	
400 V	400 V	400 V	690 V						kg			kg
A	kW	A			NO	NC						

For screw and snap-on mounting onto TH 35 standard mounting rail

Size S0

With permanently mounted auxiliary switch block

Terminal designations according to DIN 50012

12	5.5	40	22 E	2	2	24	B	3RT20 24-1BB44-3MA0	0.580	B	3RT20 24-2BB44-3MA0	0.620
17	7.5	40	22 E	2	2	24	B	3RT20 25-1BB44-3MA0	0.580	B	3RT20 25-2BB44-3MA0	0.620
25	11	40	22 E	2	2	24	B	3RT20 26-1BB44-3MA0	0.580	B	3RT20 26-2BB44-3MA0	0.620
32	15	50	22 E	2	2	24	B	3RT20 27-1BB44-3MA0	0.580	B	3RT20 27-2BB44-3MA0	0.620
38	18.5	50	22 E	2	2	24	B	3RT20 28-1BB44-3MA0	0.580	B	3RT20 28-2BB44-3MA0	0.620

Size S0

Contactors with communication interface

Terminal designations according to EN 50012

12	5.5	40	11 E	1	1	24	B	3RT20 24-1BB40-0CC0	0.580	B	3RT20 24-2BB40-0CC0	0.620
17	7.5	40	11 E	1	1	24	B	3RT20 25-1BB40-0CC0	0.580	B	3RT20 25-2BB40-0CC0	0.620
25	11	40	11 E	1	1	24	B	3RT20 26-1BB40-0CC0	0.580	B	3RT20 26-2BB40-0CC0	0.620
32	15	50	11 E	1	1	24	B	3RT20 27-1BB40-0CC0	0.580	B	3RT20 27-2BB40-0CC0	0.620
38	18.5	50	11 E	1	1	24	B	3RT20 28-1BB40-0CC0	0.580	B	3RT20 28-2BB40-0CC0	0.620

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3RT Power Contactors for Switching Motors

3RT20 contactors, 3-pole, 3 ... 18.5 kW

UC operation - AC or DC operation
Extended operating range of the solenoid coils 0.7 ... 1.3 x U_s
Integrated coil circuit (Varistor)

PU (UNIT, SET, M) = 1
 PS* = 1 UNIT
 PG = 101



3RT20 2.-1N.30



3RT20 2.-2N.30

Rated data			Auxiliary contacts		Rated control supply voltage U_s		DT	Screw terminals			Weight per PU approx.	DT	Spring-type terminals			Weight per PU approx.
AC-2 and AC-3, T_U : up to 60 °C		AC-1, T_U : 40 °C	Operational current I_e up to	Rating of induction motors at 50 Hz and	Operational current I_e up to			Order No.	Price per PU				Order No.	Price per PU		
400 V	400 V	690 V														
A	kW	A														
For screw and snap-on mounting onto TH 35 standard mounting rail																
Size $S_0^{1)}$																
12	5.5	40	11 E	1	1	21 ... 28 95 ... 130 200 ... 280 ¹⁾	B B B	3RT20 24-1NB30 3RT20 24-1NF30 3RT20 24-1NP30	0.550 B 0.550 B 0.550 B	B	3RT20 24-2NB30 3RT20 24-2NF30 3RT20 24-2NP30	0.580 0.580 0.580				
17	7.5	40	11 E	1	1	21 ... 28 95 ... 130 200 ... 280 ¹⁾	B B B	3RT20 25-1NB30 3RT20 25-1NF30 3RT20 25-1NP30	0.550 B 0.550 B 0.550 B	B	3RT20 25-2NB30 3RT20 25-2NF30 3RT20 25-2NP30	0.580 0.580 0.580				
25	11	40	11 E	1	1	21 ... 28 95 ... 130 200 ... 280 ¹⁾	B B B	3RT20 26-1NB30 3RT20 26-1NF30 3RT20 26-1NP30	0.550 B 0.550 B 0.550 B	B	3RT20 26-2NB30 3RT20 26-2NF30 3RT20 26-2NP30	0.580 0.580 0.580				
32	15	50	11 E	1	1	21 ... 28 95 ... 130 200 ... 280 ¹⁾	B B B	3RT20 27-1NB30 3RT20 27-1NF30 3RT20 27-1NP30	0.550 B 0.550 B 0.550 B	B	3RT20 27-2NB30 3RT20 27-2NF30 3RT20 27-2NP30	0.580 0.580 0.580				
38	18.5	50	11 E	1	1	21 ... 28 95 ... 130 200 ... 280 ¹⁾	B B B	3RT20 28-1NB30 3RT20 28-1NF30 3RT20 28-1NP30	0.550 B 0.550 B 0.550 B	B	3RT20 28-2NB30 3RT20 28-2NF30 3RT20 28-2NP30	0.580 0.580 0.580				

¹⁾ At 280 V: upper limit = 1.1 x U_s.