

The easy solution for switching and protecting on site: SIRIUS 3RE Enclosed Starters



sirius

The 3RE enclosed starter of the SIRIUS modular system is used for the switching and current-dependent protection of loads up to 22 kW at AC 400 V. The switching is realized by a 3RT10 contactor. The overload protection is provided by a thermal overload relay 3RU11 or an electronic 3RB10 overload.

Relay with a wide setting range. The overload relay, which can easily and directly be mounted onto the contactor, is ordered separately. The starters are available as direct starters for motors with one direction of rotation as well as reversing starters for motors with two directions of rotation.

Highlights

- Switching functions and overload protection on site
- Direct starter up to 22 kW
- Reversing starter to 11 kW
- High protection class IP65
- Up to 35°C applicable without derating
- Simple mounting and wiring
- N- and PE clamps
- optionally available for self-mounting
- Tested combinations of the SIRIUS family

SIRIUS 3RE Enclosed Starters

SIEMENS

Selection and Ordering data

Direct starter including contactor

Size	Operating current at 400 V A	Rating of three-phase current motors at 400 V / 50 Hz kW	Rated control supply voltage	Order No.	Price €
S00	12	5,5	230 V, 50/60 Hz	3RE10 10-8XC17-0AP0	59,-
S00	12	5,5	400 V, 50/60 Hz	3RE10 10-8XC17-0AV0	59,-
S0	17	7,5	230 V, 50/60 Hz	3RE10 20-8XC25-0AP0	80,-
S0	17	7,5	400 V, 50/60 Hz	3RE10 20-8XC25-0AV0	77,-
S0	25	11	230 V, 50/60 Hz	3RE10 20-8XC26-0AP0	95,-
S0	25	11	400 V, 50/60 Hz	3RE10 20-8XC26-0AV0	92,-

Reversing starters including contactor

Size	Operating current at 400 V A	Rating of three-phase current motors at 400 V / 50 Hz kW	Rated control supply voltage	Order No.	Price €
S00	12	5,5	230 V, 50/60 Hz	3RE13 10-8XC17-0AP0	170,-
S00	12	5,5	400 V, 50/60 Hz	3RE13 10-8XC17-0AV0	170,-

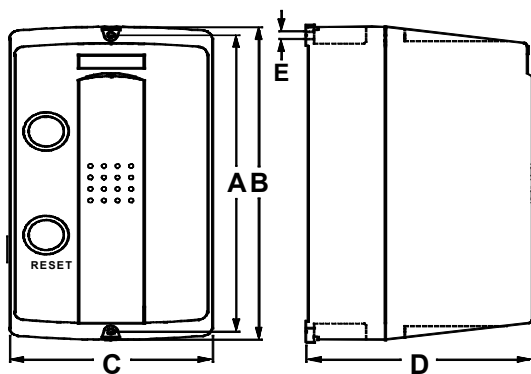
Enclosure for direct startersrectrestasters

Size	Type	Version	Order No.	Price €
S00	Insulating material Surface-type enclosure	Type of protection IP65, with PE clamps, with actuators, with metric cable gland	3RE19 13-1CB1	30,-
S0	Insulating material Surface-type enclosure	Type of protection IP65, with PE clamps, with actuators, with metric cable gland	3RE19 23-1CB2	42,-
S2	Insulating material Surface-type enclosure	Type of protection IP65, with PE clamps, with actuators, with metric cable gland	3RE19 33-1CB3	85,-

Enclosure for reversing startersendestarter

Size	Type	Version	Order No.	Price €
S00/S0	Insulating material Surface-type enclosure	Type of protection IP65, with PE clamps, with actuators, with metric cable gland	3RE19 13-2CB3	92,-

Dimension drawing



	A	B	C	D	E (∅)
Direct starter S00	150	160	85	96	4,5
Direct starter S0	180	190	105	117	4,5
Direct starter S2	240	250	160	158	7,0
Reversing starter S00/S0	240	250	160	158	7,0

Selection Overload Relay and Short-Circuit Protection

Size S00

Setting range	Thermal overload relay 3RU 11	Fuses for Type of coordination "1"				Fuses for Type of coordination "2"				Circuit-breaker Type of coordination "2"
		5,5 kW 3RT10 17 $I_{e\ max} = 12\ A$		5,5 kW 3RT10 17 $I_{e\ max} = 12\ A$		5,5 kW 3RT10 17 $I_{e\ max} = 12\ A$		5,5 kW 3RT10 17 $I_{e\ max} = 12\ A$		
A		gL/gG		BS88		gL/gG		BS88		
0,11 - 0,16	3RU11 16 - 0AB0	25		25		0,5		-		-
0,14 - 0,2	3RU11 16 - 0BB0	25		25		1		-		3RV13 21-0BC10
0,18 - 0,25	3RU11 16 - 0CB0	25		25		1		-		3RV13 21-0CC10
0,22 - 0,32	3RU11 16 - 0DB0	25		25		1,6		2		3RV13 21-0DC10
0,28 - 0,4	3RU11 16 - 0EB0	25		25		2		2		3RV13 21-0EC10
0,35 - 0,5	3RU11 16 - 0FB0	25		25		2		2		3RV13 21-0FC10
0,45 - 0,63	3RU11 16 - 0GB0	25		25		2		4		3RV13 21-0GC10
0,55 - 0,8	3RU11 16 - 0HB0	25		25		4		4		3RV13 21-0HC10
0,7 - 1	3RU11 16 - 0JB0	25		25		4		6		3RV13 21-0JC10
0,9 - 1,25	3RU11 16 - 0KB0	25		25		4		6		3RV13 21-0KC10
1,1 - 1,6	3RU11 16 - 1AB0	35		35		6		10		3RV13 21-1AC10
1,4 - 2	3RU11 16 - 1BB0	35		35		6		10		3RV13 21-1BC10
1,8 - 2,5	3RU11 16 - 1CB0	35		35		10		10		-
2,2 - 3,2	3RU11 16 - 1DB0	35		35		10		16		-
2,8 - 4	3RU11 16 - 1EB0	35		35		16		16		-
3,5 - 5	3RU11 16 - 1FB0	35		35		20		20		-
4,5 - 6,3	3RU11 16 - 1GB0	35		35		20		20		-
5,5 - 8	3RU11 16 - 1HB0	35		35		20		20		-
7 - 10	3RU11 16 - 1JB0	35		35		20		20		-
9 - 12	3RU11 16 - 1KB0	35		35		20		25		-

Size S0

Setting-range	Thermal Overload relay 3RU 11	Fuses for type of coordination "1"				Fuses for type of coordination "2"				Circuit-breaker type of coordination "2"
		7,5 kW 3RT10 25 $I_{e\ max} = 17\ A$		11 kW 3RT10 26 $I_{e\ max} = 25\ A$		7,5 kW 3RT10 25 $I_{e\ max} = 17\ A$		11 kW 3RT10 26 $I_{e\ max} = 25\ A$		
A		gL/gG		BS88		gL/gG		BS88		
1,8 - 2,5	3RU11 26 - 1CB0	63	63	63	63	10	10	10	10	3RV13 21-1CC10
2,2 - 3,2	3RU11 26 - 1DB0	63	63	63	63	10	16	10	16	3RV13 21-1DC10
2,8 - 4	3RU11 26 - 1EB0	63	63	63	63	16	16	16	16	3RV13 21-1EC10
3,5 - 5	3RU11 26 - 1FB0	63	63	63	63	20	20	20	20	3RV13 21-1FC10
4,5 - 6,3	3RU11 26 - 1GB0	63	63	63	63	20	25	20	25	3RV13 21-1GC10
5,5 - 8	3RU11 26 - 1HB0	63	63	63	63	25	32	25	32	3RV13 21-1HC10
7 - 10	3RU11 26 - 1JB0	63	63	63	63	25	32	32	35	3RV13 21-1JC10
9 - 12,5	3RU11 26 - 1KB0	63	63	63	63	25	32	35	35	3RV13 21-1KC10
11 - 16	3RU11 26 - 4AB0	63	63	63	63	25	32	35	35	3RV13 21-4AC10
14 - 20	3RU11 26 - 4BB0	63	63	63	63	25	32	35	35	3RV13 21-4BC10
17 - 22	3RU11 26 - 4CB0	-	-	100	100	-	-	35	35	3RV13 21-4CC10
20 - 25	3RU11 26 - 4DB0	-	-	100	100	-	-	35	35	-

Size S2

Setting-range	Thermal overload relay 3RU11	Fuses for Type of coordination "1"						Fuses for Type of coordination "2"						Circuit-breaker Type of coordination "2"
		15 kW 3RT10 34 $I_{e\ max} = 32\ A$		18,5 kW 3RT10 35 $I_{e\ max} = 40\ A$		22 kW 3RT10 36 $I_{e\ max} = 50\ A$		15 kW 3RT10 34 $I_{e\ max} = 32\ A$		18,5 kW 3RT1035 $I_{e\ max}=40\ A$		22 kW 3RT10 36 $I_{e\ max}=50\ A$		
A		gL/gG		BS88		gL/gG		BS88		gL/gG		BS88		
18 - 25	3RU11 36-4DB0	125	125	125	125	125	125	63	63	63	63	63	63	3RV13 31-DC10
22 - 32	3RU11 36-4EB0	125	125	125	125	125	125	63	63	63	63	80	80	3RV13 31-EC10
28 - 40	3RU11 36-4FB0	125	125	125	125	125	125	63	63	63	63	80	80	3RV13 31-FC10
36 - 45	3RU11 36-4GB0	-	-	125	125	125	125	-	-	63	80	80	80	3RV13 31-GC10
40 - 50	3RU11 36-4HB0	-	-	-	-	160	160	-	-	-	-	80	80	3RV13 31-HC10

Circuit diagram

