



SIEMENS

Ingenuity for life



Reliable switching
and protecting of high
currents

SIRIUS 3RT contactors
and SENTRON circuit breakers

[siemens.com/sirius](https://www.siemens.com/sirius)

SIRIUS 3RT contactors up to 2650 A for wind turbine systems and converter applications

The SIRIUS modular system with its protection and switching devices has been a well-proven component in equipment used in wind turbine systems or other converter applications for open-loop and closed-loop control tasks. We have expanded our SIRIUS portfolio, and now offer contactors to the highest power range.

With a power range up to 2650 A, in conjunction with SENTRON circuit breakers, the new SIRIUS contactors can be used in the generator circuits of wind turbine systems, for example in systems with doubly-fed induction generators (DFIG).

Their rated technical data means that these switchgear assemblies can be used under demanding ambient conditions, for example at high temperatures. A high tested short-circuit strength allows these devices to be used in generator-related applications.

When compared to circuit breakers, 3RT148 contactors have a remarkable switching frequency despite their high rated currents. This makes them the optimum choice for the control-related switching in and switching out of the power generated in wind turbine systems – but also for any other switching tasks. This means that they are optimally equipped for the control-related switching in and switching out of the power generated in wind turbine systems.

In addition to wind turbine system applications, the new contactors are the ideal partner when it comes to disconnecting converters from the grid.

SIRIUS 3RT contactors – your benefits:

Highest switching capacity

Can switch up to 2650 A without current derating up to an ambient temperature of 55 °C

Certified worldwide

Comply with all important standards and certificates worldwide

Lower number of variants required

Only 6 variants are required to cover the current range from 900 A to 2650 A

Technical documentation can be easily accessed through an App

Fast access to current product information and technical data of the Industry Online Support



Scan this code for more information



3RT1481, 3RT1482




3RT1483



3RT1485, 3RT1486

An overview of the technical data:

Type	Rated data AC-1, t_u : 40 °C		Auxiliary contacts, at the side Version		Rated control supply voltage U_s		Article No.
	Operating current I_e	Rated voltage U_e	NO	NC	V (AC 50/60 Hz)		
					V (DC)		
3RT1481	900	1000	2	2	100 ... 127 200 ... 240	100 ... 110 200 ... 220	3RT1481-6AF36 3RT1481-6AP36
3RT1482	1050	1000	2	2	100 ... 127 200 ... 240	100 ... 110 200 ... 220	3RT1482-6AF36 3RT1482-6AP36
3RT1483	1260	1000	2	2	100 ... 240	100 ... 220	3RT1483-6AP36
3RT1485	1700	1000	2	2	100 ... 240	100 ... 220	3RT1485-6AP36
3RT1486	2100	1000	2	2	100 ... 240	100 ... 220	3RT1486-6AP36
3RT1487	2650	1000	2	2	100 ... 240	100 ... 220	3RT1487-6AP36

Additional information can be obtained in the **Siemens Industry Mall** 

Tested combination with SENTRON circuit breakers:

Auxiliary switch	1700 A	2100 A	2650 A
SETRON circuit breaker	3WL1120-2	3WL1225-2	3WL1232-2
SIRIUS contactor	3RT1485	3RT1486	3RT1487



SETRON 3WL1120

Accessories/spare parts:

Auxiliary switch	First or second auxiliary switch at the side for 3RT148. Second auxiliary switch at the side for 3RT148.	3RH1981-1DA11 3RH1981-1JA11
Phase barriers	for 3RT1481, 3RT1482 and 3RT1483 for 3RT1485, 3RT1486 and 3RT1487	3RT1983-4AA1 3RT1987-4AA1
Withdrawable coils	for 3RT1481 and 3RT1482 for 3RT1481 and 3RT1482 for 3RT1483 for 3RT1485, 3RT1486 and 3RT1487	3RT1982-5AF31 3RT1982-5AP31 3RT1983-5AP31 3RT1987-5AP31



3RT1487

Accessories/spare parts:



Auxiliary switch



Phase barriers



Withdrawable coils

