

Load Feeders and Motor Starters

For Use in the Control Cabinet

Introduction

Overview



3RA21 10

3RA22 10

3RA11 30

Article No.	Page
-------------	------

SIRIUS 3RA2 load feeders

- The 3RA2 fuseless load feeders consist of the 3RV2 motor starter protector and the 3RT2 contactor.
The motor starter protector and contactor are prewired and mechanically and electrically connected in pre-assembled assembly kits (link modules, wiring kits and standard mounting rail or busbar adapters).
- 2 sizes (S00, S0)
- Can be supplied for direct-on-line start or reversing duty as
 - complete unit or
 - single devices for self-assembly
- Can be supplied with screw or spring-type terminals

3RA21 direct-on-line starters for snapping onto standard mounting rails or for screw fixing

- Rated control supply voltage 50/60 Hz 230 V AC and 24 V DC

3RA21

8/16

3RA21 direct-on-line starters for 60 mm busbars

- Rated control supply voltage 50/60 Hz 230 V AC and 24 V DC

3RA21

8/20

3RA22 reversing starters for snapping onto standard mounting rails or for screw fixing

- Rated control supply voltage 50/60 Hz 230 V AC and 24 V DC

3RA22

8/24

3RA22 reversing starters for 60 mm busbars

- Rated control supply voltage 50/60 Hz 230 V AC and 24 V DC

3RA22

8/28

Accessories for 3RA2 direct-on-line and reversing starters

8/32

SIRIUS 3RA1 load feeders

- The 3RA1 fuseless load feeders consist of the 3RV1 motor starter protector and the 3RT1 contactor.
The motor starter protector and contactor are prewired and mechanically and electrically connected in pre-assembled assembly kits (link modules, wiring kits and standard mounting rail or busbar adapters).
- 2 sizes (S2, S3)
- Can be supplied for direct-on-line start or reversing duty as
 - complete unit or
 - single devices for self-assembly
- Can be supplied with screw terminals

3RA11 direct-on-line starters for snapping onto standard mounting rails or for screw fixing

- Rated control supply voltage 230 V AC, 50 Hz and 24 V DC for 35 mm standard mounting rail or for screw fixing

3RA1130

8/46

3RA11 direct-on-line starters for busbar systems

- Rated control supply voltage 230 V AC, 50 Hz and 24 V DC for 40 and 60 mm busbar systems

Only for self-assembly

8/47

3RA12 reversing starters for snapping onto standard mounting rails or for screw fixing

- Rated control supply voltage 230 V AC, 50 Hz and 24 V DC for 35 mm standard mounting rail or for screw fixing

Only for self-assembly

8/48

3RA12 reversing starters for busbar systems

- Rated control supply voltage 230 V AC, 50 Hz and 24 V DC for 40 and 60 mm busbar systems

Only for self-assembly

8/49

Accessories for 3RA1 direct-on-line and reversing starters

8/50

Central and compact starter solutions

Our range offers you many different possibilities for simple and practical starter solutions in the control cabinet. Features common to all our load feeders, compact starters and motor starters: Like all SIRIUS devices they are optimally coordinated with each other, have a very compact design and are particularly easy and quick to install and wire up.

In addition there is a seamless range of SIRIUS 3RW soft starters available for soft starting in the control cabinet [see "Soft Starters and Solid-State Switching Devices" → "SIRIUS 3RW Soft Starters"](#)).

Load Feeders and Motor Starters

For Use in the Control Cabinet

Introduction



		Article No.	Page
SIRIUS 3RA6 compact starters			
	<ul style="list-style-type: none"> Integrated functionality of a motor starter protector, contactor and solid-state overload relay and various functions of optional mountable accessories Can be used for direct starting of standard three-phase motors up to 32 A 		
3RA61 direct-on-line starters	<ul style="list-style-type: none"> Up to 15 kW/400 V, weld-free, wide setting range, removable terminals 	3RA61	8/64
3RA62 reversing starters	<ul style="list-style-type: none"> Up to 15 kW/400 V, weld-free, wide setting range, removable terminals 	3RA62	8/65
3RA64 direct-on-line starters for IO-Link	<ul style="list-style-type: none"> Up to 15 kW/400 V, weld-free, wide setting range, removable terminals 	3RA64	8/66
3RA65 reversing starters for IO-Link	<ul style="list-style-type: none"> Up to 15 kW/400 V, weld-free, wide setting range, removable terminals 	3RA65	8/67
Accessories for 3RA6 direct-on-line and reversing starters		3RA69	8/68
Add-on modules for AS-Interface		3RA69	8/74
Infeed systems for 3RA6	<ul style="list-style-type: none"> Modular expandability, up to 100 A, terminals up to 70 mm² 	3RA68	8/76
SIRIUS 3RM1 motor starters			
	<ul style="list-style-type: none"> For switching three-phase motors up to 3 kW (at 400 V) and resistive loads up to 10 A at AC voltages up to 500 V under normal operating conditions Space-saving design (22.5 mm wide) 		
3RM10 direct-on-line starters	<ul style="list-style-type: none"> Direct-on-line starting with solid-state overload protection 	3RM10	8/89
3RM12 reversing starters	<ul style="list-style-type: none"> Reversing functionality with solid-state overload protection 	3RM12	8/90
3RM11 Failsafe direct-on-line starters	<ul style="list-style-type: none"> As 3RM10 plus safety-related shutdown 	3RM11	8/91
3RM13 Failsafe reversing starters	<ul style="list-style-type: none"> As 3RM12 plus safety-related shutdown 	3RM13	8/92
Accessories for 3RM1 motor starters	<ul style="list-style-type: none"> 3RM19 3-phase infeed system Device connectors, push-in lugs for wall mounting, spare terminals for main and control circuits 	3RM19 3ZY1	8/93
ET 200S motor starters and safety motor starters			
ET 200S motor starters	<ul style="list-style-type: none"> Completely factory-wired motor starters for switching and protecting any AC loads, optionally as direct-on-line, reversing or soft starters 		8/98
<ul style="list-style-type: none"> Standard motor starters High-Feature motor starters 		3RK1301 3RK1301	8/105 8/108
Power modules for ET 200S motor starters	<ul style="list-style-type: none"> For infeed and monitoring the auxiliary voltages for motor starters 	3RK1903-0BA00	8/111
ET 200S Failsafe motor starters	<ul style="list-style-type: none"> High-Feature direct-on-line and reversing starters 	3RK1301	8/113
Terminal modules for ET 200S motor starters	<ul style="list-style-type: none"> Mechanical modules in which the motor starter and expansion modules are inserted 	3RK1903	
<ul style="list-style-type: none"> Standard terminal modules High-Feature terminal modules Failsafe terminal modules Power module terminal modules Safety modules local and PROFIsafe terminal modules 			8/106 8/110 8/115 8/112 8/125
Safety modules local	<ul style="list-style-type: none"> For safety category SIL 3/PL e according to IEC 62061 or ISO 13849-1 	3RK1903	8/116
Safety modules PROFIsafe	<ul style="list-style-type: none"> Sensor and actuator assignment are freely configurable (distributed safety concept) 	3RK1903	8/116
Accessories			
ET 200S – interface modules	<ul style="list-style-type: none"> Interface modules <ul style="list-style-type: none"> - With CPU - With fail-safe CPU - Without CPU 	6ES7 6AG1	8/132
ET 200S – I/O modules	<ul style="list-style-type: none"> Power modules, reserve modules, potential distributor modules, digital/analog electronic modules Technology modules: SSI modules, 2PULSE pulse generators, 1STEP step modules, positioning modules, counter modules, 1 SI interface modules, SIWAREX CS, SIMAREX CF, terminal modules for power and electronic modules 	6ES7 6AG1 7MH4	8/140
ET 200S – fail-safe I/O modules	<ul style="list-style-type: none"> F power and F electronic modules, F terminal modules 	6ES7 6AG1	8/150
ET 200S – IO-Link master modules	<ul style="list-style-type: none"> IO-Link 4SI and SIRIUS 4SI electronic modules 	6ES7 3RK1	8/154