

Motor starters for use in the field, high degree of protection

SIRIUS MCU motor starters

General data



3RK43 53-3.R58-0BA0

3RK43 40-3.R51-.BA0

3RK43 20-3.R51-.BA0

3RK43 20-3.Q54-.BA.

3RK43 20-5.Q64-.BA.

Type

SIRIUS MCU motor starters

Locally controlled
Plastic enclosures
Electromechanical switching

I/O-controlled
Plastic enclosures
Electromechanical switching

For AS-Interface
Plastic enclosures
Electromechanical switching

For AS-Interface
Metal enclosures
Electromechanical switching

For AS-Interface
Metal enclosures
Electronic switching

Device functions (software features)

Slave on the bus

Fieldbus	--		✓ AS-i	
Bus connection	--		✓ M12	
Slave type	--		✓ AS-i Spec 2.0	✓ A/B according to Spec. 2.1
AS-i slave profile IO.ID.ID2	--		✓ 3.0.F	✓ 7.A.E
Number of assigned AS-i addresses on the bus	--		✓ 1	
Number of stations	--		✓ Maximum 31 devices	✓ Maximum 62 devices

Diagnostics

LED	--		✓	
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Process image

Process image	--		✓ 2I/2O	✓ 4I/3O
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Data channels

Manual local operation	✓	--		✓
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Inputs

Number	✓ 1 on direct-on-line starter 2 on reversing starter	--	✓ 1	✓ 2
• Of which in the process image	--		✓ DI1	✓ DI2 / DI3
Connection	✓ Screw terminal internal	--	✓ Screw terminal internal	✓ M12 - A-coded
Input signal	✓ NO contact	--	✓ Switching contact or 2-wire Bero	✓ Switching contact or 2/3-wire Bero
Input level	✓ 230 V AC	--	✓ AS-i +	

Outputs

Number	--		✓ 1 on direct-on-line starter 0 on reversing starter	✓ 1
• Of which in the process image	--		✓ DO1	✓ DO2
Connection	--		✓ Screw terminal internal	✓ M12 - A-coded
Output level	--		✓ Relay contact, floating	✓ AUX-PWR+ (24 V DC)

Motor protection

Overload protection	✓ Thermal overload release			✓ Electronic overload release Wide range
Short-circuit protection	✓			
Auto RESET	--			✓
Temperature sensor	--			✓ TC (Thermoclick)

Device function

Response when repair switch is tripped	Floating contact		✓ Signal through AS-i	
Plug monitoring	--			Possible (with plug option)

✓ Function is available

-- Function is not available.