

Reference: 3RA1110-0CA15-1BB4

LOAD FEEDER FUSELESS DIRECT STARTING, AC 400V, SIZES 00 0.18...0.25 A, DC 24 V, 1NO(CONTACTOR), SCREW CONNECT. FOR MOUNTING ONTO STANDARD MOUNTING RAILS, TYPE OF COORDIN. 2, IQ = 50 KA

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product brand name	SIRIUS
Product designation	non-fused load feeder
Design of the product	direct starter
Manufacturer's article number	
of the supplied contactor	3RT1015-1BB41
of the supplied circuit-breakers	3RV1011-0CA10
of the supplied link module	3RA1911-1AA00
General technical data:	
Size of load feeder	500
Insulation voltage	
rated value	690 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
Protection class IP	
on the front	IP20
Shock resistance	9.8g
Mechanical service life (switching cycles)	
of contactor typical	30 000 000
Type of assignment	2
Equipment marking	

acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 Ambient conditions: Installation altitude at height above sea level maximum Ambient temperature during operation -20 +70 °C during storage -55 +80 °C Main circuit: Number of poles for main current circuit 3 Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 - at 400 V rated value Operating power at AC-3 - at 400 V rated value No-load switching frequency 15 1/s Control circuit Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value AUXIIIary circuit: Product extension AuxiIIary switch Maximum short-circuit current breaking capacity (Icu) Maximum short-circuit current breaking capacity (Icu)		
acc. to DIN EN 81346-2 Ambient conditions: Installation altitude at height above sea level maximum Ambient temperature during operation -20 +70 °C during storage -55 +80 °C Main circuit: Number of poles for main current circuit 2 Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Dimetal Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 - at 400 V rated value Operating power at AC-3 - at 400 V rated value Operating power at AC-3 - at 400 V rated value Operating power at AC-3 - at 400 V rated value Does the control supply voltage DC Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:		Q
Installation altitude at height above sea level maximum Ambient temperature during operation -20 +70 °C during storage -55 +80 °C Main circuit: Number of poles for main current circuit 3 Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Operating frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value 24 V Auxillary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	acc. to DIN EN 61346-2	Q
Ambient temperature during operation -20 +70 °C during storage -55 +80 °C Main circuit: Number of poles for main current circuit 2 detectromechanical Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Operating voltage at AC-3 rated value maximum 400 V Operating power at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating power at AC-3 — at 400 V rated value Onerating requency DC Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	acc. to DIN EN 81346-2	Q
Ambient temperature during operation -20 +70 °C during storage -55 +80 °C Main circuit: Number of poles for main current circuit 3 Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Dimetal Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 - at 400 V rated value Operating power at AC-3 - at 400 V rated value 0 .06 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Ambient conditions:	
during operation -20 +70 °C during storage -55 +80 °C Main circuit: Number of poles for main current circuit 3 Design of the switching contact electromechanical Adjustable pick-up value current of the current-dependent overload release Type of the motor protection bimetal Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value 0.06 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Installation altitude at height above sea level maximum	2 000 m
during storage	Ambient temperature	
Main circuit: Number of poles for main current circuit Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Derating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Operating frequency Type of voltage of the control supply voltage DC Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	during operation	-20 +70 °C
Number of poles for main current circuit Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Dimetal Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Onerating frequency Type of voltage of the control supply voltage DC Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	during storage	-55 +80 °C
Design of the switching contact Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Derating voltage at AC-3 rated value maximum Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Ocoload switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Main circuit:	
Adjustable pick-up value current of the current-dependent overload release Type of the motor protection Operating voltage at AC-3 rated value maximum 400 V Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Ocoload switching frequency Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Number of poles for main current circuit	3
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Operating voltage at AC-3 rated value maximum Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value O.06 kW No-load switching frequency I5 1/s Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:		0.18 0.25 A
at AC-3 rated value maximum Operating current at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value O.2 A Operating power at AC-3 — at 400 V rated value O.06 kW No-load switching frequency I5 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts Protective and monitoring functions:	Type of the motor protection	bimetal
Operating current at AC-3 - at 400 V rated value Operating power at AC-3 - at 400 V rated value 0.06 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Operating voltage	
at AC-3 — at 400 V rated value Operating power at AC-3 — at 400 V rated value O.06 kW No-load switching frequency Is 1/s Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	at AC-3 rated value maximum	400 V
— at 400 V rated value 0.2 A Operating power at AC-3 — at 400 V rated value 0.06 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Operating current	
Operating power at AC-3 — at 400 V rated value No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	at AC-3	
at AC-3 — at 400 V rated value 0.06 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	— at 400 V rated value	0.2 A
— at 400 V rated value 0.06 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage DC Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Operating power	
No-load switching frequency Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	at AC-3	
Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	— at 400 V rated value	0.06 kW
Type of voltage of the control supply voltage Control supply voltage 1 at DC rated value Auxiliary circuit: Product extension Auxiliary switch Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	No-load switching frequency	15 1/s
Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Control circuit/ Control:	
at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Type of voltage of the control supply voltage	DC
Auxiliary circuit: Product extension Auxiliary switch Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Control supply voltage 1	
Product extension Auxiliary switch Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	at DC rated value	24 V
Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:	Auxiliary circuit:	
for auxiliary contacts 1 Protective and monitoring functions:	Product extension Auxiliary switch	Yes
Protective and monitoring functions:	Number of NO contacts	
	for auxiliary contacts	1
Maximum short-circuit current breaking capacity (Icu)	Protective and monitoring functions:	
	Maximum short-circuit current breaking capacity (Icu)	
at 400 V rated value 50 kA	at 400 V rated value	50 kA
Short-circuit protection	Short-circuit protection	
Product function	Product function	
Short circuit protection Yes	Short circuit protection	
Design of short-circuit protection circuit-breakers		Yes

Mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Mounting type	snap-on mounting
Height	159 mm
Witd>	45 mm
Depth	75 mm
Required spacing	
with side-by-side mounting	
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— Backwards	0 mm
— upwards	20 mm
— at the side	9 mm
for live parts	
— forwards	10 mm
— Backwards	9 mm
— downwards	0 mm
— at the side	20 mm
Connections/Terminals:	
Type of electrical connection	
for main current circuit	screw-type terminals
Type of connectable conductor cross-sections	
for main contacts	
— solid	0.5 4 mm², 2x (0.75 2.5 mm²)
— stranded	0.5 4 mm², 2x (0.75 2.5 mm²)
— finely stranded with core end processing	0.5 2.5 mm², 2x (0.5 2.5 mm²)
at AWG conductors for main contacts	2x (18 14)
Connectable conductor cross-section for main contacts	
single or multi-stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
AWG number as coded connectable conductor cross section	
for main contacts	18 14
Communication/ Protocol:	
Product function Bus communication	No
Protocol	

is supported PROFIBUS DP protocol	No	
is supported PROFINET protocol	No	
Protocol is supported		
AS-interface protocol	No	
Inputs/ Outputs:		
Number of digital inputs	0	