

Reference: 3RA1110-1DD15-1AP0

LOAD FEEDER FUSELESS DIRECT STARTING, AC 400V, SIZES 00 2.2...3.2 A, AC 230 V, 50 HZ, 1NO(CONTACTOR), SCREW CONNECT. ON 60 MM BUSBAR ADAPTER TYPE OF COORDIN. 1, IQ = 50KΑ

**Buy it at Electric Automation Network** 



product brand name	SIRIUS
Product designation	non-fused load feeder
Design of the product	direct starter
Manufacturer's article number	
of the supplied contactor	3RT1015-1AP01
of the supplied circuit-breakers	3RV1011-1DA10
of the supplied busbar adapter	8US1251-5DM07
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	1
Equipment marking	

acc. to DIN 40719 extended according to IEC 204-2 acc. to DIN EN 61346-2         Q           acc. to DIN EN 81346-2         Q           Ambient conditions:         Installation altitude at height above sea level maximum         2 000 m           Ambient temperature         -20 +70 °C           during storage         -55 +80 °C           Main circuit:         3           Design of the switching contact         electromechanical           Adjustable pick-up value current of the current-dependent overload release         2.2 3.2 A           Type of the motor protection         bimetal           Operating voltage         2.2 3.2 A           at AC-3 rated value maximum         400 V           Operating current         2.7 A           at AC-3 rated value was in a 4.C-3         2.7 A           Operating power         1.1 kW           A Load Switching frequency         1.5 l/s           Control circuit/ Control:         2.2 3.2 N           Type of voltage of the control supply voltage         AC           Control supply voltage frequency         1.5 l/s           Control supply voltage frequency         1.1 kW           No load switching frequency         2.30 V           Control supply voltage frequency         2.30 V           Control supply vol		
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  dependent overfood release  Type of the motor protection  Departing outrage  at AC-3		Q
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 electromechanical Adjustable pick-up value current of the current- dependent overload release Type of the motor protection Direction 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 1.1 kW No-load switching frequency 15 1/s Control circuit/ Control: Type of voltage of the control supply voltage AC Control supply voltage 1 at AC Otortol supply voltage 1 at AC Otortol supply voltage 1 rated value  230 V Control supply voltage frequency 1 rated value 50 Hz Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value 50 KA Short-circuit protection Product function	acc. to DIN EN 61346-2	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 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 2.7 A Operating power at AC-3 - at 400 V rated value 1.1 kW No-load switching frequency 15 1/s Control circuit Control: Type of voltage of the control supply voltage AC Control supply voltage if at AC at 50 Hz rated value 230 V Control supply voltage frequency 1 rated value 50 Hz Number of NO contacts for auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 1 Protective and monitoring functions: Maximum short-circuit current breaking capacity (Icu) at 400 V rated value So kA Short-circuit protection Product function  Product function  Product function  Product function  200 m  200 m	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 electromechanical  Adjustable pick-up value current of the current-dependent overload release  Type of the motor protection  Operating voltage at AC-3 rated value maximum  Operating power  at AC-3  at 400 V rated value  2.7 A  Operating power  at AC-3  at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  at SO Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Ves  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	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  Operating voltage at AC-3 rated value maximum  400 V  Operating current  at AC-3  - at 400 V rated value  2.7 A  Operating power  at AC-3  - at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage frequency 1 rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	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  Dimetal  Operating voltage  at AC-3 rated value maximum  400 V  Operating current  at AC-3  — at 400 V rated value  2.7 A  Operating power  at AC-3  — at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxillary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxillary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  Product function  Product function	during operation	-20 +70 °C
Design of the switching contact  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  A00 V  Operating current  at AC-3  — at 400 V rated value  2.7 A  Operating power  at AC-3  — at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product 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  Dimetal  Operating voltage  at AC-3 rated value maximum  A00 V  Operating current  at AC-3  — at 400 V rated value  2.7 A  Operating power  at AC-3  — at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection	Main circuit:	
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  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  50 kA  Short-circuit protection  Product function	Number of poles for main current circuit	3
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  1.1 kW  No-load switching frequency 15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage AC  Control supply voltage 1 at AC at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxillary circuit:  Product extension Auxillary switch Yes  Naximum short-circuit current breaking capacity (Icu) at 400 V rated value  50 kA  Short-circuit protection  Product function	Design of the switching contact	electromechanical
at AC-3 rated value maximum 400 V  Operating current  at AC-3  — at 400 V rated value 2.7 A  Operating power  at AC-3  — at 400 V rated value 1.1 kW  No-load switching frequency 15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage AC  Control supply voltage 1 at AC  at 50 Hz rated value 230 V  Control supply voltage frequency 1 rated value 50 Hz  Auxiliary circuit:  Product extension Auxiliary switch Yes  Number of NO contacts  for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value 50 kA  Short-circuit protection  Product function		2.2 3.2 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  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  50 kA  Short-circuit protection  Product function	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  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  50 kA  Short-circuit protection  Product function	Operating voltage	
at AC-3  — at 400 V rated value  2.7 A  Operating power  at AC-3  — at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	at AC-3 rated value maximum	400 V
Operating power at AC-3  - at 400 V rated value 1.1 kW  No-load switching frequency 15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage AC  Control supply voltage 1 at AC  at 50 Hz rated value 230 V  Control supply voltage frequency 1 rated value 50 Hz  Auxiliary circuit:  Product extension Auxiliary switch Yes  Number of NO contacts for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value 50 kA  Short-circuit protection  Product function	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  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  50 kA  Short-circuit protection  Product function	at AC-3	
at AC-3  — at 400 V rated value  1.1 kW  No-load switching frequency  15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	— at 400 V rated value	2.7 A
— at 400 V rated value 1.1 kW  No-load switching frequency 15 1/s  Control circuit/ Control:  Type of voltage of the control supply voltage AC  Control supply voltage 1 at AC  at 50 Hz rated value 230 V  Control supply voltage frequency 1 rated value 50 Hz  Auxiliary circuit:  Product extension Auxiliary switch Yes  Number of NO contacts  for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value 50 kA  Short-circuit protection  Product function	Operating power	
No-load switching frequency  Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	at AC-3	
Control circuit/ Control:  Type of voltage of the control supply voltage  AC  Control supply voltage 1 at AC  at 50 Hz rated value  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	— at 400 V rated value	1.1 kW
Type of voltage of the control supply voltage  Control supply voltage 1 at AC  at 50 Hz rated value  230 V  Control supply voltage frequency 1 rated value  50 Hz  Auxiliary circuit:  Product extension Auxiliary switch  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection	No-load switching frequency	15 1/s
Control supply voltage 1 at AC  at 50 Hz rated value 230 V  Control supply voltage frequency 1 rated value 50 Hz  Auxiliary circuit:  Product extension Auxiliary switch Yes  Number of NO contacts for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value 50 kA  Short-circuit protection  Product function	Control circuit/ Control:	
at 50 Hz rated value 230 V  Control supply voltage frequency 1 rated value 50 Hz  Auxiliary circuit:  Product extension Auxiliary switch Yes  Number of NO contacts for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value 50 kA  Short-circuit protection  Product function	Type of voltage of the control supply voltage	AC
Control supply voltage frequency 1 rated value 50 Hz  Auxiliary circuit:  Product extension Auxiliary switch Yes  Number of NO contacts for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value 50 kA  Short-circuit protection  Product function	Control supply voltage 1 at AC	
Auxiliary circuit:  Product extension Auxiliary switch  Yes  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	at 50 Hz rated value	230 V
Product extension Auxiliary switch  Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  Short-circuit protection  Product function	Control supply voltage frequency 1 rated value	50 Hz
Number of NO contacts  for auxiliary contacts  1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  Short-circuit protection  Product function	Auxiliary circuit:	
for auxiliary contacts 1  Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value 50 kA  Short-circuit protection  Product function	Product extension Auxiliary switch	Yes
Protective and monitoring functions:  Maximum short-circuit current breaking capacity (Icu)  at 400 V rated value  50 kA  Short-circuit protection  Product function	Number of NO contacts	
Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  50 kA  Short-circuit protection  Product function	for auxiliary contacts	1
at 400 V rated value 50 kA  Short-circuit protection  Product function	Protective and monitoring functions:	
Short-circuit protection  Product function	Maximum short-circuit current breaking capacity (Icu)	
Product function	at 400 V rated value	50 kA
	Short-circuit protection	
Short circuit protection Yes	Product function	
	Short circuit protection	Yes

Design of short-circuit protection	circuit-breakers
Installation/ mounting/ dimensions:	
Mounting position	with vertical mounting surface +/-90 $^{\circ}$ rotatable, with vertical mounting surface +/- 22.5 $^{\circ}$ tiltable to the front and back
Mounting type	for snapping onto 60 mm busbar systems
Height	203 mm
Witd>	45 mm
Depth	128 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	