



Reference: 3RA2125-4AA17-1BB4

LOAD FEEDER FUSELESS DIRECT START,
AC 400V, SZ S00 10...16A, DC 24V
SCREW CONNECTION FOR RAIL-
MOUNTING, TYPE OF COORDINATION 1,
IQ = 150KA 1NO (CONTACTOR) 1NO
+1NC (CIRCUIT BREAKER)



product brand name	SIRIUS
Product designation	non-fused load feeders 3RA2
Design of the product	direct starter
Manufacturer's article number	
of the supplied contactor	3RT2017-1BB41
of the supplied circuit-breakers	3RV2011-4AA15
of the supplied link module	3RA2921-1AA00
General technical data:	
Size of the circuit-breaker	S0
Size of load feeder	S0
Insulation voltage	
with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
Protection class IP	
on the front	IP20
Shock resistance	
acc. to IEC 60068-2-27	6g / 11 ms
Type of assignment	2
Protection against electrical shock	finger-safe
Ambient conditions:	
Ambient temperature	

during operation	-20 ... +60 °C
during storage	-50 ... +80 °C
during transport	-50 ... +80 °C
Temperature compensation	-20 ... +60 °C
Relative humidity during operation	10 %
Main circuit:	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	11 ... 16 A
Operating voltage	
rated value	690 V
at AC-3 rated value maximum	690 V
Operating frequency rated value	50 ... 60 Hz
Operating current	
at AC-3	
— at 400 V rated value	15.5 A
Operating power	
at AC-3	
— at 400 V rated value	7 500 W
Control circuit/ Control:	
Control supply voltage at DC	
rated value	24 V
Holding power of magnet coil at DC	5.9 W
Auxiliary circuit:	
Product extension Auxiliary switch	Yes
Protective and monitoring functions:	
Trip class	CLASS 10
Design of the overload release	thermal (bimetallic)
UL/CSA ratings:	
Full-load current (FLA) for three-phase AC motor	
at 480 V rated value	14 A
Yielded mechanical performance [hp]	
for three-phase AC motor	
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	10 hp
Short-circuit protection	
Product function	

Short circuit protection	Yes
Design of the short-circuit trip	magnetic
Conditional short-circuit current (I _q)	
at 400 V acc. to IEC 60947-4-1 rated value	153 000 A
Installation/ mounting/ dimensions:	
Mounting position	vertical
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail
Height	193.1 mm
Witd>	45 mm
Depth	97.1 mm
Required spacing	
for grounded parts	
— forwards	20 mm
— Backwards	0 mm
— upwards	50 mm
— at the side	20 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— Backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	20 mm
Connections/Terminals:	
Type of electrical connection	
for main current circuit	screw-type terminals
Safety related data:	
B10 value	
with high demand rate acc. to SN 31920	1 000 000
Proportion of dangerous failures	
with high demand rate acc. to SN 31920	73 %