



LOAD FEEDER FUSELESS REVERSING DUTY,
AC 400V, SZ S0, 3.5. . .5A,
AC 230V SCREW CONNECTION FOR BUSBAR SYSTEMS
60MM TYPE OF COORDINATION 2,
IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1)
1NO+1NC (CONTACTOR)

Allgemeine technische Daten:

product brand name		SIRIUS
Product designation		non-fused load feeders 3RA2
Size of the load feeder		S0
Number of poles / for main current circuit		3
Installation altitude / at a height over sea level / maximum	m	2,000
Product function		
• short circuit protection		Yes
• overload protection		Yes
• phase disturbance recognition		Yes
Product component		
• trip indicator		No
• auxiliary switch		No
Product extension / auxiliary switch		Yes
Design of display / for switching status		Switch setting
Insulation voltage / with degree of pollution 3 / rated value	V	690
Impulse voltage resistance / rated value	kV	6
Protection class IP		
• on the front		IP20
Protection against electrical shock		finger-safe

Shock resistance / according to IEC 60068-2-27		6g / 11 ms
maximum permissible voltage for safe isolation in networks with non-grounded star point		
Ambient temperature - during transport - during storage - during operating	°C	-50 ... +80 -50 ... 80 -20 ... 60
Manufacturer article number - of the circuit-breakers included in the scope of supply - of the contactor included in the scope of supply - of the RS applied assembly kit - of the link module included in the scope of supply - of the busbar adapter included in the scope of supply - of the RH applied assembly kit		3RV2021-1FA10 3RT2024-1AP00 8US1250-5AT10 3RA2921-1AA00 8US1251-5NT10

Hauptstromkreis:		
Operating current / rated value	A	32
Mechanical operating cycles as operating time / of the auxiliary contacts / typical		10,000,000
Derating factor for rated value of the operational current		
Operating voltage / rated value	V	690
Voltage type / for main circuit		AC
Frequency		-
Service power / at AC-3 - at 400 V / rated value - at 500 V rated value - at 690 V rated value	W	1,500 2,200 3,000
Operating current / at AC-3 / at 400 V / rated value	A	3.6
Type of assignment		2

Steuerstromkreis/ Ansteuerung:		
Voltage type / for auxiliary and control circuit		AC
Apparent holding power / of the solenoid / for AC	V·A	8.5

Hilfsstromkreis:		
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of changeover contacts / for auxiliary contacts		0

Schutz-/Überwachungsfunktion:		
Design of the overload circuit breaker		thermal (bimetallic)
Trip class		CLASS 10

Adjustable response current / of the current-dependent overload release	A	3.5 ... 5
Design of the short-circuit trip		magnetic
Conditional short-circuit current (I_q)		
• at 400 V / according to IEC 60947-4-1 / rated value	A	153,000
• at 500 V / according to IEC 60947-4-1 / rated value	A	100,000
• at 690 V according to IEC 60947-4-1 rated value		4,000
Varification of suitability / ATEX		Yes

Sicherheitsrelevante Kenngrößen:

Proportion of dangerous failures		
• with high demand rate / according to SN 31920	%	73
B10 value / with high demand rate / according to SN 31920		1,000,000

Einbau/ Befestigung/ Abmessungen:

Mounting type		for snapping onto 60 mm busbar systems
mounting position		vertical
Depth	mm	155.1
Height	mm	260
Width	mm	90
Distance, to be maintained, to the ranks assembly		
• upwards	mm	30
• forwards	mm	10
• sideways		0
• backwards		0
• downwards		30

Anschlüsse/ Klemmen:

Arrangement of electrical connectors / for main current circuit		from the top
Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section for main contacts		
• solid or multi-stranded		2x (1 ... 2,5 mm²), 2x (2,5 ... 10 mm²)
• finely stranded		
• with conductor end processing		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²
Type of connectable conductor cross-sections for auxiliary contacts		
• solid or multi-stranded		2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)
• finely stranded		
• with conductor end processing		2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

Type of the connectable conductor cross-section / for AWG conductors • for main contacts • for auxiliary contacts		2x (16 ... 12), 2x (14 ... 8) 2x (20 ... 16), 2x (18 ... 14)
Tightening torque / for main contacts • with screw-type terminals	N·m	2 ... 2.5
Design of the thread of the connection screw for main contacts		
M4	M4	
Tightening torque / for auxiliary contacts • with screw-type terminals	N·m	0.8 ... 1.2
Design of the thread of the connection screw of the auxiliary and control pins		
M3	M3	
Dimension de la tête de tournevis		Pozidriv 2

UL/CSA Bemessungsdaten:

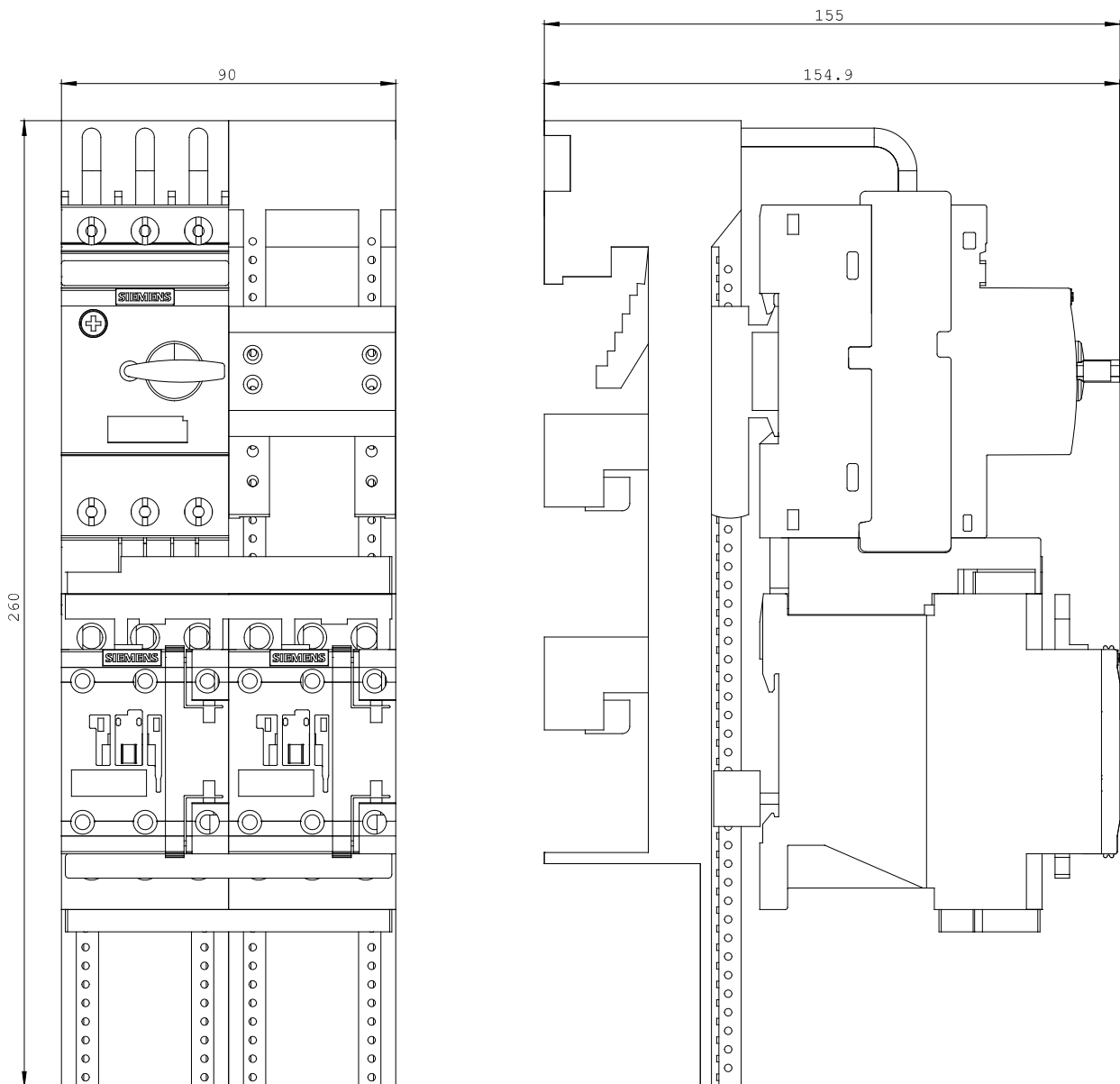
yielded mechanical performance [hp] / for three-phase squirrel cage motors • at 200/208 V / rated value • at 220/230 V / rated value • at 460/480 V rated value • at 575/600 V rated value	hp hp 	1 1 3 3
Full-load current (FLA) / for 3-phase motor • at 480 V / rated value	A	4.8

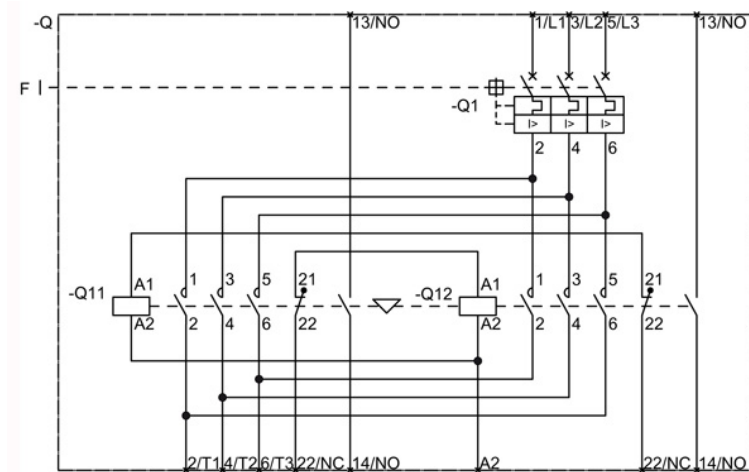
Approbationen/ Zertifikate:

General Product Approval	For use in hazardous locations	Declaration of Conformity	Test Certificates
 CSA	 UL	 ATEX	 EG-Konf.
			Type Test Certificates/Test Report
Shipping Approval			
 ABS	 BUREAU VERITAS	 DNV	 GL
		 PRS	 RINA
other			
Declaration of Conformity	other	Environmental Confirmations	

Weitere Informationen:

Information- and Downloadcenter (Kataloge, Broschüren,...)
<http://www.siemens.de/industrial-controls/catalogs>





letzte Änderung:

Jul 28, 2014