SIEMENS

Product data sheet   **3RA2711-1AA00**

FUNCTION MODULE FOR IO-LINK,
DIRECT START, SCREW CONNECTION,
MOUNTED ON CONTACTORS 3RT2 S00/ S0 COMM.
CAPABLE CONTACTOR REQUIRED

General technical data:		
product brand name		Sirius
product designation		function module/basic module for direct start with IO-Link
Design of the product		direct starter function
Size of the contactor / can be combined / company-specific		S00, S0
Protection class IP / on the front		IP20
Degree of pollution		3
Insulation voltage / with degree of pollution 3		
• rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
• during storage	°C	-40 … +80
• during operating	°C	-25 … +60
• during transport	°C	-40 … +80
EMC immunity to interference		
• according to IEC 60947-1		ambience A (industrial sector)
EMC emitted interference		
• according to IEC 60947-1		CISPR11, ambience A (industrial sector)
Conductor-bound parasitic coupling BURST		

• according to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conductor-bound parasitic coupling conductor-earth SURGE		
• according to IEC 61000-4-5		1 kV
Conductor-bound parasitic coupling conductor-conductor SURGE		
• according to IEC 61000-4-5		0.5 kV
Electrostatic discharge		
• according to IEC 61000-4-2		8 kV
Field-bound parasitic coupling		
• according to IEC 61000-4-3		10 V/m
Resistance against shock		11g / 15 ms
Resistance against vibration		10 ... 55 Hz / 0.35 mm
Item designation		
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		K
• according to DIN EN 61346-2		K
Acceptability for application		
• direct starter		Yes
• star-delta starter		No
• reversing starter		No

Communication:

Product function		
• bus-communication		Yes
• control circuit interface with IO link		Yes
• control circuit interface with AS interface		No

Control circuit:

Design of the surge suppressor		suppressor diode
Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1 / for DC / rated value	V	24

Installation/mounting/dimensions:

mounting position		any
Type of mounting		can be plugged into contactor
Width	mm	45
Height	mm	37
Depth	mm	75

Connections:

Product function		

• removable terminal for auxiliary and control circuit	Yes
Design of the electrical connection	
• for auxiliary and control current circuit	screw-type terminals
Type of the connectable conductor cross-section	
• for auxiliary contacts	
• solid	0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²)
• finely stranded	
• with conductor end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
• for AWG conductors / for auxiliary contacts	2x (20 ... 14)

Certificates/approvals:

Verification of suitability	CE / UL / CSA

General Product Approval			**Test Certificates**	
CSA	GOST	UL	Special Test Certificate	Type Test Certificates/Test Report

Shipping Approval

ABS	DNV	GL	LRS	PRS	RINA

Shipping Approval — **other**

RMRS	Declaration of Conformity	other

Further information:

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrial-controls/mall
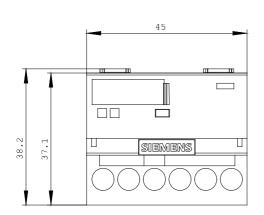
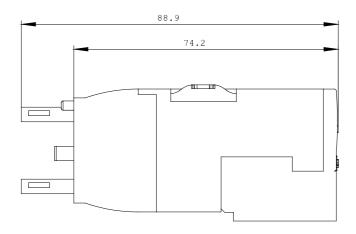**CAx-Online-Generator**
http://www.siemens.com/cax

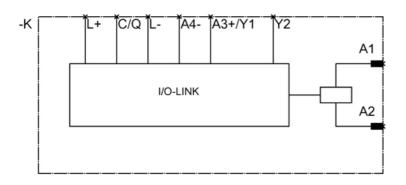**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/3RA2711-1AA00/all
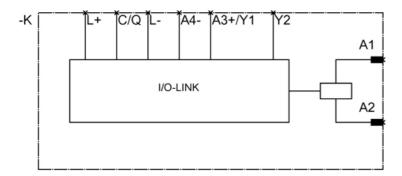
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA2711-1AA00

45

38.2

37.1

88.9

74.2

-K   L+   C/Q   L-   A4-   A3+/Y1   Y2

I/O-LINK

A1

A2

last change: Apr 13, 2012