

# Product SPECIFICATION SHEET

## SSRSC3 SERIES

### SSRSC3 SERIES 3 PHASE AC SEMICONDUCTOR CONTACTORS



- \* Rated operational voltage up to 600VAC-50/60 Hz
- \* Rated operational current up to: 3x10 or 3x20A AC1
- \* Control voltage range : 5-24 VDC or 24-230 V AC/DC
- \* Led status indication
- \* IP20 protection
- \* Built-in varistor protection
- \* Zero crossing commutation

TABELLA SELEZIONE - SELECTION TABLE

	Line voltage	Control voltage	10A	20A
	3 Phase semiconductor contactor designed to switch various industrial loads, e.g. heating elements, motors and lamps in 3 phase applications. Unique electronic and thermal design ensures high switching capacity and long lifetime. Zero Voltage turn-On reduces RFI	24-240 V AC 50/60 Hz	5-24 VDC	SSRSC3-10240A
24-240 V AC 50/60 Hz		24-230 V AC/DC	SSRSC3-10240C	SSRSC3-20240C
24-480 V AC 50/60 Hz		5-24 VDC	SSRSC3-10480A	SSRSC3-20480A
24-480 V AC 50/60 Hz		24-230 V AC/DC	SSRSC3-10480C	SSRSC3-20480C
48-600 V AC 50/60 Hz		5-24 VDC	SSRSC3-10600A	SSRSC3-20600A
48-600 V AC 50/60 Hz		24-230 V AC/DC	SSRSC3-10600C	SSRSC3-20600C
Dimensioni / Dimensions ( BxHxLmm )			45/128/110	90/128/110

#### DATI TECNICI INGRESSO - INPUT TECHNICAL DATA

Control voltage range	5-24 V DC	24-230 V AC/DC
Control pick-up voltage	4,25 VDC	20,4 V AC/DC
Control drop-out voltage	1,5 VDC	7,2 V AC/DC
Control current / VA max	15mA - 4 VDC	6mA / 1,5VA - 24VDC
Max. control voltage	32 VDC	253 V AC/DC
Response time max.	1/2 cycle	1 cycle

IEC REFERENCE STANDARDS :  
IEC158-2 / HD419-2-SI / IEC947-4-3 / EN60947-4-3  
- APPROVALS  
CAN/CSA-C22.2 / UL Std No.508

#### DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

OUTPUT	SSRSC3-10....	SSRSC3-20...
Operational current AC1	10A max.	20A max.
Operational current AC3	10A max.	20A max.
Leakage current	1 mA AC max.	1 mA AC max.
Minimum working current	10mA Ac	10mA Ac
Duty cycle	100%	

#### BRANCH CONTACT DETAILS

Johannesburg 010 202 3300  
Germiston 011 418 9600  
Cape Town 021 510 0710  
Pinetown 031 700 4215  
Riverhorse 031 492 4800

#### NATIONAL CALL CENTRE

Sales 010 202 3400  
Technical 010 202 3500

www.acdc.co.za

# Product SPECIFICATION SHEET

## SSRSC3 SERIES

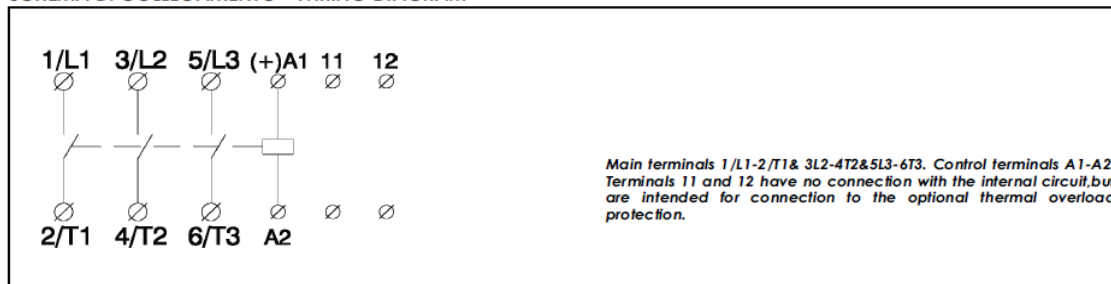
**Current derating in high temperature applications.** For operation in ambient temperatures exceeding 40°C at the AC-1 Load the current must be derated as shown in the table.

Corente di derating Current derating	SSRSC3-10....	SSRSC3-20....
TA 40°C	10A AC1/AC3	20A/AC1-10A/AC3
TA 50°C	8A AC1/AC3	16A/AC1-8A/AC3
TA 60°C	6.5A AC1/AC3	13A/AC1-6.5A/AC3

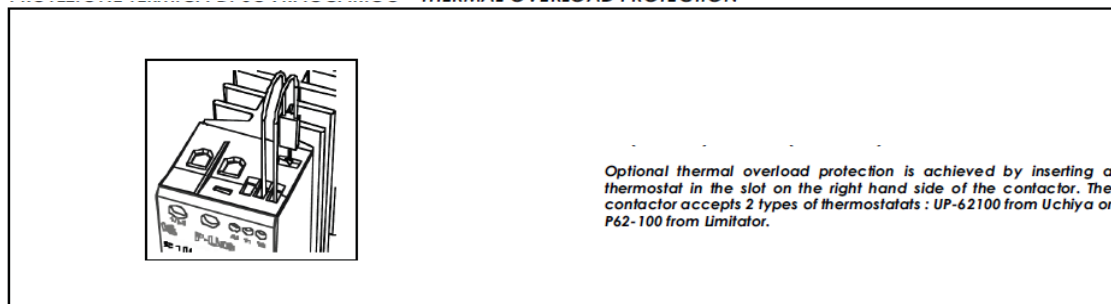
DATI TERMICI - THERMAL DATA	
Operating temperature	-5 + 60°C
Storage temperature	-20 + 80°C
Cooling method	Naturale Natural convection
Mounting	Verticale +/-30% Vertical +/-30%

DATI TECNICI ENTRATA USCITA INPUT / OUTPUT TECHNICAL DATA	
Rated insulation voltage	Ui 660V
Rated impulse withstand voltage	Uimp. 4kV

### WIRING DIAGRAM



### THERMAL OVERLOAD PROTECTION



**BRANCH CONTACT DETAILS**  
Johannesburg 010 202 3300  
Germiston 011 418 9600  
Cape Town 021 510 0710  
Pinetown 031 700 4215  
Riverhorse 031 492 4800

**NATIONAL CALL CENTRE**  
Sales 010 202 3400  
Technical 010 202 3500  
[www.acdc.co.za](http://www.acdc.co.za)