

Product SPECIFICATION SHEET

SSRSC1 SERIES



- * Rated operational voltage up to 600VAC-50/60 Hz
- * Rated operational current up to 15/30/50/63A (AC1)
- * Control voltage range :5-24V DC or 24-230V AC/DC
- * Led status indication
- * IP20 protection
- * Built-in varistor protection
- * Zero crossing commutation

TABELLA SELEZIONE - SELECTION TABLE

	Line voltage	Control voltage	10A	15A	30A	50A	63A	
	1 Phase semiconductor con factor designed to switch various industrial loads, e.g. heating elements, motors and lamps in 1 or 3 Ph applications.Unique electronic and thermal design ensures high switching capacity and long lifetime.Zero Voltage turn-On reduces RFI	24-240 VAC 50/60 Hz	5-24 VDC	SSRSC1-10240A	SSRSC1-15240A	SSRSC1-30240A	SSRSC1-50240A	SSRSC1-63240A
24-240 VAC 50/60 Hz		24-230 V AC/DC		SSRSC1-15240C	SSRSC1-30240C	SSRSC1-50240C	SSRSC1-63240C	
24-480 VAC 50/60 Hz		5-24 VDC		SSRSC1-15480A	SSRSC1-30480A	SSRSC1-50480A	SSRSC1-63480A	
24-480 VAC 50/60 Hz		24-230 V AC/DC		SSRSC1-15480C	SSRSC1-30480C	SSRSC1-50480C	SSRSC1-63480C	
48-600 VAC 50/60 Hz		5-24 VDC		SSRSC1-15600A	SSRSC1-30600A	SSRSC1-50600A	SSRSC1-63600A	
48-600 VAC 50/60 Hz		24-230 V AC/DC		SSRSC1-15600C	SSRSC1-30600C	SSRSC1-50600C	SSRSC1-63600C	
Dimensioni / Dimensions (BxHxLmm)			22,5/124,5/110	22,5/124,5/110	45/128/110	90/128/110	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 -24 VDC	6mA/1,5VA - 24VDC
Max. control voltage	32 VDC	253 V AC/DC
Response time max.	1/2 cycle	1 cycle

CONFORMI ALLE NORMATIVE EC - EC REFERENCE STANDARDS :
IEC158-2 / HD419.2-SI / IEC947-4-3 / EN60947-4-3

APPROVAZIONI / APPROVALS
CAN/CSA-C22.2/ULStd No.508

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DIMENSIONI , MONTAGGIO E ISTRUZIONI DI CABLAGGIO -
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DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

OUTPUT	SSRSC1-10....	SSRSC1-15....	SSRSC1-30....	SSRSC1-50...	SSRSC1-63...
Operational current AC51 / AC1	10A max.	15A max.	30A max.	50A max.	63A max.
Operational current AC3	3A max.	15A max./10A- 600VAC	30A max.	50A max.	63A max.
Oper.curr. AC55b(Lamp load)	5A max.	15A max.	30A max.	50A max.	63A max.
Oper.curr. AC56a(Trasformer load)	3A max.	15A max.	15A max.	15A max.	63A max.
Leakage current	1 mA AC max.	1 mA AC max.	1 mA AC max.	1 mA AC max.	1 mA AC max.
Minimun working current	10mA Ac	10mA Ac	10mA Ac	10mA Ac	10mA Ac
Duty cycle	100%				

BRANCH CONTACT DETAILS

Johannesburg 010 202 3300
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Cape Town 021 510 0710
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Product SPECIFICATION SHEET

SSRSC1

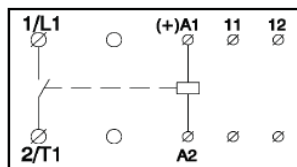
Current derating in high temperature applications For operation in ambient temperatures exceeding 40°C at the AC-1 Load the current must be derated as shown in the table

Corente di derating Current derating	SSRSC1-10....	SSRSC1-15....	SSRSC1-30....	SSRSC1-50....	SSRSC1-63....
TA 40°C	10A	15A	30A	50A	63A
TA 50°C	10A	12,5A	25A	40A	50A
TA 60°C	8A	10A	20A	30A	40A

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

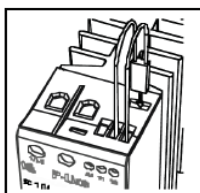
DATI TECNICI ENTRATA USCITA INPUT / OUTPUT TECHNICAL DATA	
Rated insulation voltage	Ui 660V
Rated impulse withstand voltage	Uimp. 4kV

WIRING DIAGRAM



Main terminals 1/L1-2/T1
Control terminals A1-A2
Terminal 11 and 12 have no connection with the internal circuit, but are intended for connection to the optional thermal overload protection.

THERMAL OVERLOAD PROTECTION



Optional thermal overload protection is achieved by inserting a thermostat in the slot on the right hand side of the contactor. The contactor accepts 2 types of thermostats : UP-6290 from Uchiya or P62-90 from Limitator.

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