





RELÈ STATICI BIFASE SERIE SSR29 SSR29 SERIES DUAL PHASE SOLID STATE RELAYS



NEW

- * Led tensione ingresso
- * Commutazione zero crossing
- * Tensione di picco fino a 1200V
- * Certificazione UL e TUV
- * Conforme ai requisiti EN 60335-1
- * Isolamento ingresso uscita 4000V

- * Input voltage led
- * Zero crossing commutation
- * Peak voltage up to 1200 V
- * UL and TUV certification
- * Conformance to EN 60335-1 requirements
- * 4000 V input-output insulation

TABELLA SELEZIONE RELÈ - RELAY SELECTION TABLE

AC OUTPUT - TIPO DI COMMUTAZIONE ZERO COSSING AC OUPTPUT ZERO CROSSING COMMUTATION

Corrente uscita Output current	Tensione uscita Output voltage	Tensione ingresso Input voltage	Modello Model
25 A	24-530 VAC	10 - 32 VDC	SSR29-25480AS
	24-660 VAC	10 - 32 VDC	SSR29-25660AS
50 A	24-530 VAC	10 - 32 VDC	SSR29-50480AS
	24-660 VAC	10 - 32 VDC	SSR29-50660AS
75 A	24-530 VAC	10 - 32 VDC	SSR29-75480AS
	24-660 VAC	10 - 32 VDC	SSR29-75660AS

NOTA: Tutti i prodotti con uscita a 600V e 75A non dispongono della certificazione TUV.
NOTE: All products with 600V and 75A output don't have TUV certification.

Gli SSR devono essere montati sui dissipatori di calore (vedere DISSIPATORI - HEAT SINK pag. 86).
SSRs must be mounted on heatsinks (see DISSIPATORI - HEAT SINK pag. 86).

Per il montaggio degli SSR sul dissipatore di calore, è necessario utilizzare grasso termico o il thermal pad.
For SSRs mounting on the heatsink, it is necessary to use thermal grease or thermal pad.

DATI TECNICI ENTRATA - INPUT TECHNICAL DATA

Campo tensione di ingresso - Control voltage range	DC Control	10 - 32 VDC
Tensione di innesco - Control pick-up voltage	DC Control	10 VDC
Tensione di disinnesco - Control drop-out voltage	DC Control	1 VDC
Corrente di pilotaggio - Control current range	DC Control	20mA@ 32 VDC

DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

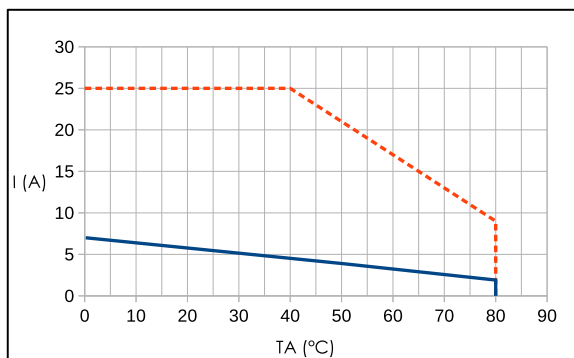
Capo tensione di uscita Load voltage range	480 VAC	24 - 530 VAC
	600 VAC	24 - 660 VAC
Massimo ritardo chiusura per commutazione zero crossing Maximum closing delay for zero crossing commutation	Zero crossing	10 ms
Massimo ritardo apertura per commutazione zero crossing Maximum opening delay for zero crossing	10 ms	
Corrente di spunto non ripetitiva Non repetitive surge peak on state current, t=10ms	25 A	300 A
	50 A	500 A
	75 A	750 A
I ² t per scelta fusibile I ² t rating	25 A	450 A ² S
	50 A	1250 A ² S
	75 A	2812 A ² S
Picco ripetitivo allo stato di OFF Repetitive peak off-state voltage	240 VAC	600 V pk
	600VAC	1200 V pk
Perdita di corrente allo stato di off Off-stage leakage current	5 mA	
Caduta tensione in uscita Output voltage drop	1,5 V/ms	
Tempo critico salita tensione allo stato di off dv/dt Critical rate of rise of off-state voltage dv/dt	500 V/μs	

DATI TECNICI GENERALI - GENERAL SPECIFICATIONS

Tensione isolamento - <i>Insulation voltage</i>	Input/Output	4000 V rms
	Input output/Base	2500 V rms
Temperatura di funzionamento - <i>Operating temperature</i>	-30 °C ÷ 80 °C	
Temperatura di stoccaggio - <i>Storage temperature</i>	-30 °C ÷ 100 °C	

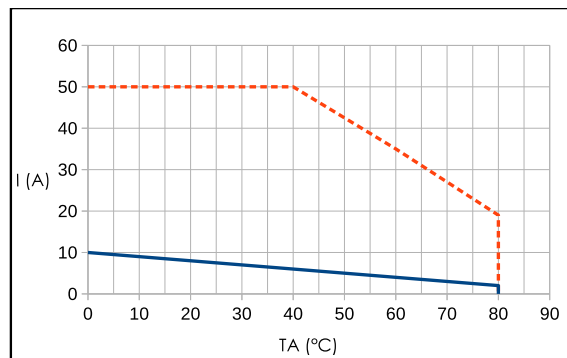
CURVE DI DERATING - DERATING CURVES

SSR29 25 A



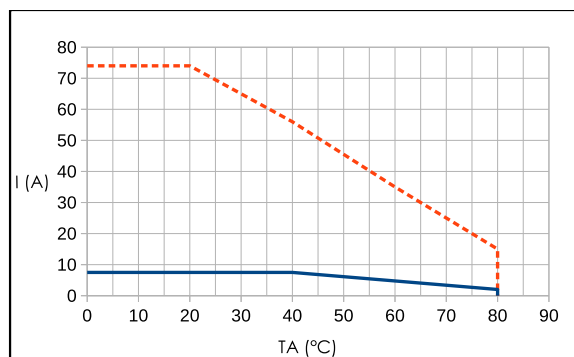
— Aria libera - *Free air*
 ---- Con dissipatore - *Heat sink (0,9 °C/W)*
 La curva di derating mostra la corrente di ciascun canale (2x25 A)
 The derating curve shows the current of each channel (2x25 A)

SSR29 50 A



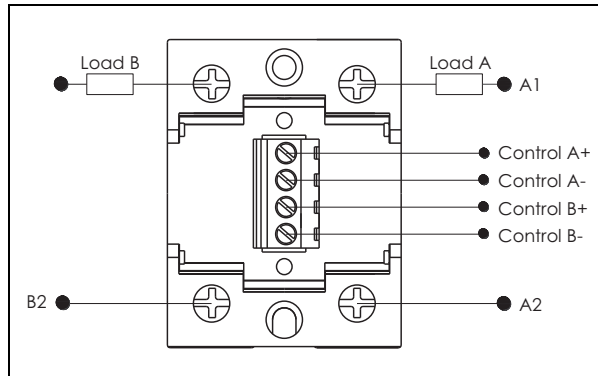
— Aria libera - *Free air*
 ---- Con dissipatore - *Heat sink (0,45 °C/W)*
 La curva di derating mostra la corrente di ciascun canale (2x50 A)
 The derating curve shows the current of each channel (2x50 A)

SSR29 75 A

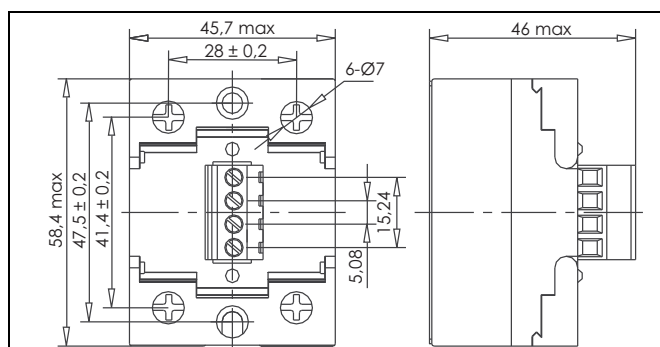


— Aria libera - *Free air*
 ---- Con dissipatore - *Heat sink (0,45 °C/W)*
 La curva di derating mostra la corrente di ciascun canale (2x75 A)
 The derating curve shows the current of each channel (2x75 A)

SCHEMA DI COLLEGAMENTO - WIRING DIAGRAM



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