


RELÈ STATICI TRIFASE SERIE SSR39 SSR39 SERIES 3 PHASE SOLID STATE RELAYS

Rev. 05-2023



- * 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
- * Protezione integrata da sovratensioni con varistore

- * 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
- * Integrated voltage transient protection with varistor

TABELLA SELEZIONE RELÈ - RELAYS SELECTION TABLE

AC OUTPUT - TIPO DI COMMUTAZIONE ZERO CROSSING - AC OUPPUT ZERO CROSSING COMMUTATION			
Corrente di uscita Output current	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Modello Model
25 A	24-530 VAC	4 - 32 VDC	SSR39-25480AS
		90 - 280 VAC	SSR39-25480CS
40 A	24-530 VAC	4 - 32 VDC	SSR39-40480AS
		90 - 280 VAC	SSR39-40480CS
60 A	24-530 VAC	4 - 32 VDC	SSR39-60480AS
		90 - 280 VAC	SSR39-60480CS
80 A	24-530 VAC	4 - 32 VDC	SSR39-80480AS
		90 - 280 VAC	SSR39-80480CS

NOTA: Tutti i prodotti con ingresso AC non dispongono della certificazione TUV. - NOTE: All products with AC input don't have TUV certification.

Gli SSR devono essere montati sui dissipatori di calore (vedere DISSIPATORI - HEAT SINK pag. 88).

SSRs must be mounted on heatsinks (see DISSIPATORI - HEAT SINK pag. 88).

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	AC Control	90 - 280 VAC
	DC Control	4 - 32 VDC
Tensione di innesco - Control pick-up voltage	AC Control	90 VAC
	DC Control	4 VDC
Tensione di disinnesco - Control drop-out voltage	AC Control	15 VAC
	DC Control	1 VDC
Corrente di pilotaggio - Control current range	AC Control	30 mA @ 280 VAC
	DC Control	35 mA @ 32 VDC

DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

Campo tensione di carico - Load voltage range	480 VAC	24 - 530 VAC
Massimo ritardo chiusura per commutazione zero crossing Maximum closing delay for zero crossing commutation	AC control	40 ms
	DC control Zero crossing	10 ms
Massimo ritardo apertura per commutazione zero crossing Maximum opening delay for zero crossing	AC control	20 ms
	DC control	10 ms
Corrente di spunto non ripetitiva Non repetitive surge peak on state current, t= 10 ms	25 A	300 A
	40 A	500 A
	60 A	700 A
	80 A	1280 A
Picco ripetitivo allo stato di OFF - Ripetitive peak off-state voltage	480 VAC	1200 V pk



DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

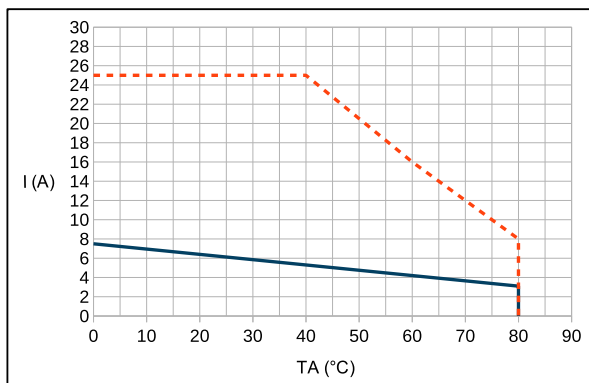
I ² t per scelta fusibile - I ² t rating	25 A	450 A ² s
	40 A	1250 A ² s
	60 A	2450 A ² s
	80 A	8192 A ² s
Perdita di corrente allo stato di off - Off-stage leakage current	5 mA	
Caduta tensione in uscita - Output voltage drop	1,6 V/ms	
Tempo critico salita tensione allo stato di off dv/dt - Critical rate of rise of off-state voltage dv/dt	500 V/μs	

DATI TECNICI GENERALI - GENERAL SPECIFICATIONS

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

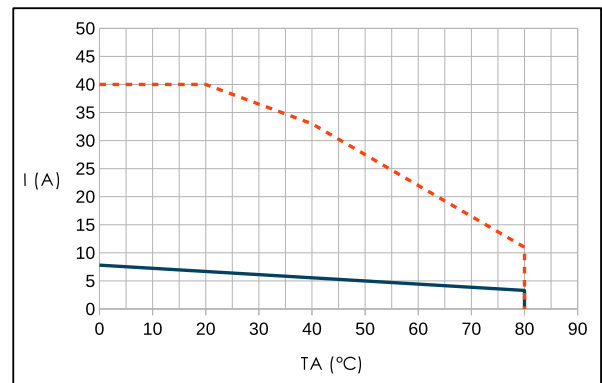
CURVE DI DERATING - DERATING CURVES

SSR39 25 A



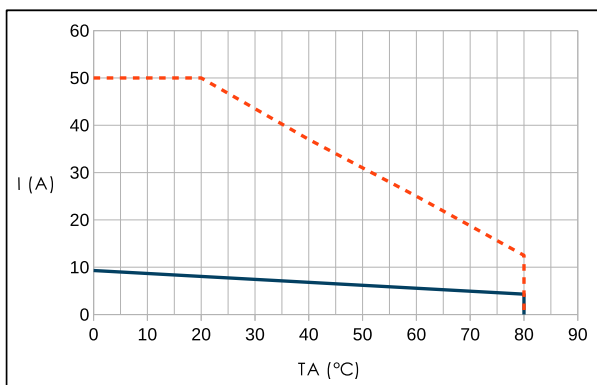
— Aria libera - Free air
 ---- Con dissipatore - Heat sink (0,7 °C/W)
 La curva di derating mostra la corrente di ciascun canale (3x25 A)
 The derating curve shows the current of each channel (3x25 A)

SSR39 40 A



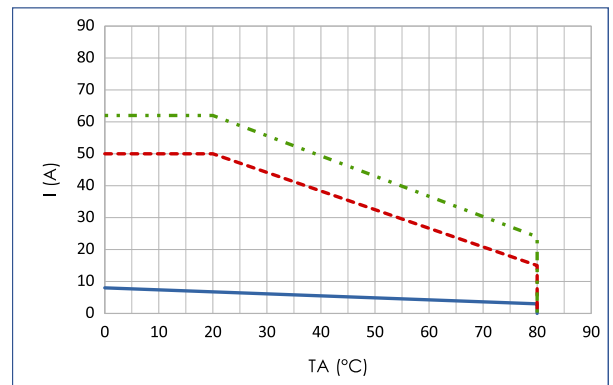
— Aria libera - Free air
 ---- Con dissipatore - Heat sink (0,5°C/W)
 La curva di derating mostra la corrente di ciascun canale (3x40 A)
 The derating curve shows the current of each channel (3x40 A)

SSR39 60 A



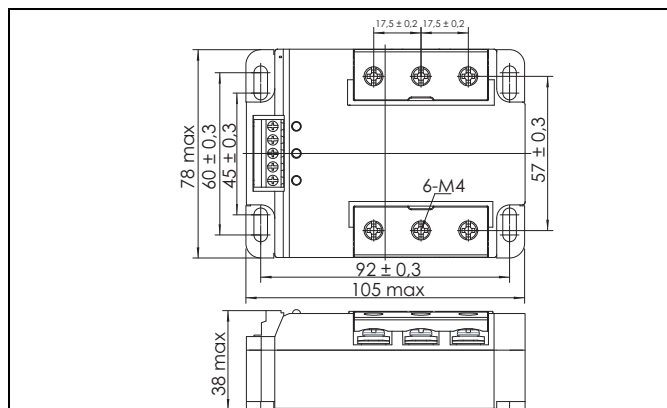
— Aria libera - Free air
 ---- Con dissipatore - Heat sink (0,45°C/W)
 La curva di derating mostra la corrente di ciascun canale (3x60 A)
 The derating curve shows the current of each channel (3x60 A)

SSR39 80 A

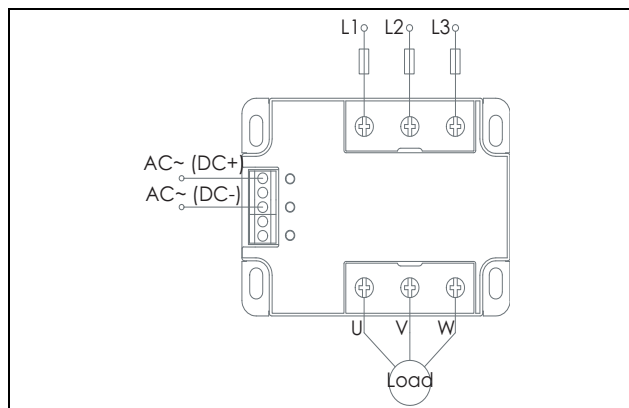


— Aria libera - Free air
 ---- Con dissipatore - Heat sink (0,45°C/W)
 - . . . - Con dissipatore - Heat sink (0,35°C/W)
 La curva di derating mostra la corrente di ciascun canale (3x60 A)
 The derating curve shows the current of each channel (3x60 A)

DIMENSIONI (mm) - DIMENSIONS (mm)



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