

RELÈ STATICI SERIE SSR07
SSR07 SERIES SOLID STATE RELAYS


- * Led tensione ingresso
 - * Commutazione zero crossing
 - * Isolamento ingresso uscite 4.000 V
 - * Protezione con filtro RC
 - * Tensione di picco fino a 600 V / 800 V
 - * Dimensioni compatti
-
- * Input voltage led
 - * Commutation zero crossing
 - * 4,000 V input-output insulation
 - * RC filter protection
 - * Peak voltage up to 600 V / 800 V
 - * Compact size

CONFORMI ALLE NORMATIVE EC/ EC REFERENCE STANDARDS

CERTIFICAZIONI UL / UL CERTIFICATION File-N. E234472

(Mod. SSR07-25240A / SSR07-25240AF / SSR07-25480A / SSR07-25480AF / SSR07-40240A / SSR07-40240AF / SSR07-40480A / SSR07-40480AF)

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VARISTORI (MOV) - METAL OXIDE VARISTORS (MOV.) pag. 67

DISSIPATORI - HEAT SINK pag. 67

Gli SSR devono essere montati sui dissipatori di calore (vedere DISSIPATORI - HEAT SINK pag. 67).

SSRs must be mounted on heatsinks (see DISSIPATORI - HEAT SINK pag. 67).

Per il montaggio degli SSR sul dissipatore di calore, è necessario utilizzare grasso termico o il thermal pad.

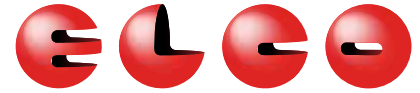
For SSRs mounting on the heatsink, it is necessary to use thermal grease or thermal pad.

TABELLA SELEZIONE RELÈ - RELAY SELECTION TABLE

Corrente di uscita Output current	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Tipo di terminali Type of terminals	Modello Model
25 A	24-280 AC (UL 24-240 VAC)	3-32 VDC	Screw	SSR07-25240A
			Faston	SSR07-25240AF
	24-280 VAC	200-265 VAC	Screw	SSR07-25240C
			Faston	SSR07-25240CF
	48-480 VAC	3-32 VDC	Screw	SSR07-25480A
			Faston	SSR07-25480AF
40 A	24-280 AC (UL 24-240 VAC)	3-32 VDC	Screw	SSR07-40240A
			Faston	SSR07-40240AF
	24-280 VAC	200-265 VAC	Screw	SSR07-40240C
			Faston	SSR07-40240CF
	48-480 VAC	3-32 VDC	Screw	SSR07-40480A
			Faston	SSR07-40480AF

DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

Modello Model	SSR07-25240A SSR07-25240AF	SSR07-25240C SSR07-25240CF	SSR07-25480A SSR07-25480AF	SSR07-40240A SSR07-40240AF	SSR07-40240C SSR07-40240CF	SSR07-40480A SSR07-40480AF
Tensione nominale Nominal voltage	240 VAC	240 VAC	480 VAC	240 VAC	240 VAC	480 VAC
Range tensione di carico Load voltage range	24-280 VAC (UL 24-240 VAC)	24-280 VAC	48-480 VAC	24-280 VAC (UL 24-240 VAC)	24-280 VAC	48-480 VAC
Picco ripetitivo allo stato di OFF Repetitive peak off-state voltage	600 VAC	600 VAC	800 VAC	600 VAC	600 VAC	800 VAC
Corrente uscita Output current	25 A	25 A	25 A	40 A	40 A	40 A
Corrente di spunto non ripetitiva Non repetitive surge peak on state current, t=10ms	208 A	208 A	208 A	400 A	400 A	400 A
I ² t per scelta fusibile I ² t rating, t=10ms	259 A ² /S	259 A ² /S	259 A ² /S	880 A ² /S	880 A ² /S	880 A ² /S



DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

Tempo critico salita tensione allo stato di off dv/dt Critical rate of rise of off-state voltage dv/dt	475 V/μs	475 V/μs	475 V/μs	500 V/μs	500 V/μs	500 V/μs
Caduta tensione in uscita Output voltage drop	1,6 VAC	1,6 VAC	1,6 VAC	1,6 VAC	1,6 VAC	1,6 VAC
Perdita di corrente allo stato di off Off-stage leakage current	10 mA	5 mA	5 mA	5 mA	5 mA	5 mA
Corrente minima di funzionamento Minimum working current	100 mA	100 mA	100 mA	100 mA	100 mA	100 mA

DATI TECNICI ENTRATA - INPUT TECHNICAL DATA

Modello Model	SSR07-25240A SSR07-25240AF	SSR07-25480A SSR07-25480AF	SSR07-40240A SSR07-40240AF	SSR07-40480A SSR07-40480AF	SSR07-25240C SSR07-25240CF	SSR07-40240C SSR07-40240CF
Tensione in ingresso Input voltageNominal voltage	3-32 VDC				200-265 VAC	
Corrente di pilotaggio Control current range	1-20 mA				1-5 mA	
Tensione di innesco Control pick-up voltage	3 VDC				200 VAC	
Tensione di disinnesco Control drop-out voltage	1 VDC				100 VAC	

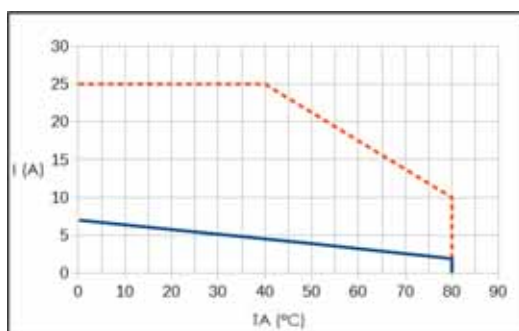
DATI TECNICI ENTRATA/USCITA - INPUT/OUTPUT TECHNICAL DATA

Modello Model	SSR07-x240A SSR07-x240AF	SSR07-x480A SSR07-x480AF	SSR07-x240C SSR07-x240CF
Massimo ritardo chiusura per commutazione zero crossing Maximum closing delay for zero crossing commutation	10 ms		40 ms
Massimo ritardo apertura per commutazione zero crossing Maximum opening delay for zero crossing commutation	10 ms		80 ms
Isolamento Isolation voltage	4000 V		4000 V

DATI TERMICI - THERMAL DATA

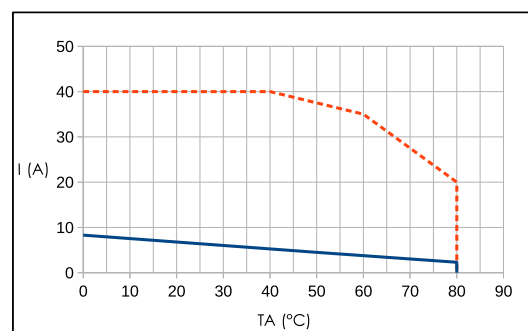
Temperatura di funzionamento Operating temperature	-30 / 80 °C
Temperatura di stoccaggio Storage temperature	-30 / 100 °C

CURVE DI DERATING - DERATING CURVES SSR07 25 A



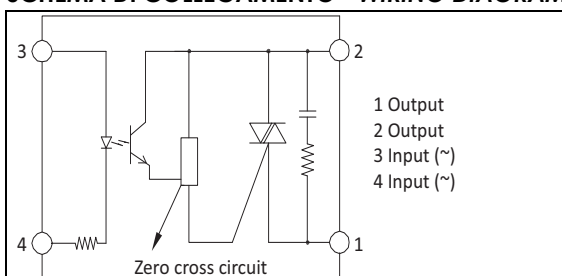
— Aria libera / Free air
- - - - Con dissipatore (Heat sink (2 °C/W)

CURVE DI DERATING - DERATING CURVES SSR07 40 A



— Aria libera / Free air
- - - - Con dissipatore (Heat sink (0,9 °C/W)

SCHEMA DI COLLEGAMENTO - WIRING DIAGRAM



DIMENSIONI - DIMENSIONS (mm)

