

RELÈ ALLO STATO SOLIDO TRIFASE CON DISSIPATORE INTEGRATO SERIE SSR370H SSR370H SERIES 3 PHASE SOLID STATE RELAY WITH INTEGRATED HEAT SINK



- * Led tensione ingresso
- * Commutazione zero crossing
- * Corrente nominale 3 X 10 A, 20 A, 25 A, 40 A
- * Tensione uscita fino a 600 VAC
- * Tensione ingresso 4-32 VDC o 90-280 VAC
- * Isolamento ingresso uscita 5000 V
- * Tensione di picco fino a 1200 V
- * Protezione da sovratensioni integrata con varistore
- * Montaggio su barra DIN

- * Input voltage led
- * Zero crossing switching
- * Rated operational current 3 X 10 A, 20 A, 25 A, 40 A
- * Output voltage up to 600 V
- * Control voltage range 4-32 VDC or 90-280 VAC
- * Peak voltage up to 1200 V
- * 5000 V input-output insulation
- * Integrated voltage transient protection with varistor
- * DIN rail mounting

UL CERTIFICATION PENDING

TABELLA SELEZIONE - SELECTION TABLE

Corrente di uscita Output current	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Modello Model
10 A (AC1 - 40 °C) 5 A (AC53 - 40 °C)	48 - 600 VAC	4 - 32 VDC	SSR370H-10600AS
		90 - 280 VAC	SSR370H-10600CS
20 A (AC1 - 40 °C) 12,5 (AC53 - 40 °C)	48 - 600 VAC	4 - 32 VDC	SSR370H-20600AS
		90 - 280 VAC	SSR370H-20600CS
25 A (AC1 - 40 °C) 13,5 (AC53 - 40 °C)	48 - 600 VAC	4 - 32 VDC	SSR370H-25600AS
		90 - 280 VAC	SSR370H-25600CS
40 A (AC1 - 40 °C) 15 A (AC53 - 40 °C)	48 - 600 VAC	4 - 32 VDC	SSR370H-40600AS
		90 - 280 VAC	SSR370H-40600CS

DATI TECNICI INGRESSO - INPUT TECHNICAL DATA

Parametri Parameters	Unità Unit	SSR370H-10600AS	SSR370H-20600AS	SSR370H-25600AS	SSR370H-40600AS
Tensione ingresso Control Voltage Range	VDC	4-32	4-32	4-32	4-32
Corrente ingresso Control Curr Range	mA	17-27	17-27	17-27	17-27
Tensione innesco Pick-Up Voltage	VDC	4	4	4	4
Tensione disinnesco Drop-Out Voltage	VDC	2	2	2	2

DATI TECNICI INGRESSO - INPUT TECHNICAL DATA

Parametri Parameters	Unità Unit	SSR370H-10600CS	SSR370H-20600CS	SSR370H-25600CS	SSR370H-40600CS
Tensione ingresso Control Voltage Range	VAC	90-280	90-280	90-280	90-280
Corrente ingresso Control Curr Range	mA	23-50	23-50	23-50	23-50
Tensione innesco Pick-Up Voltage	VAC	90	90	90	90
Tensione disinnesco Drop-Out Voltage	VAC	20	20	20	20



DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

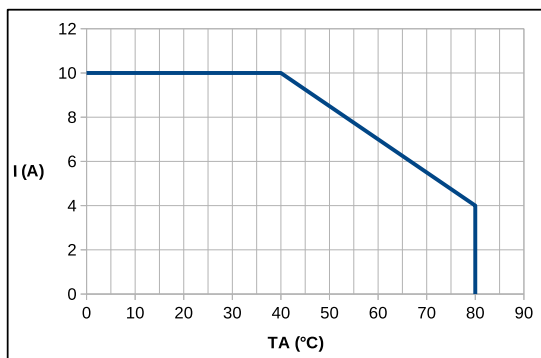
Parametri Parameters	SSR370H-10600xS	SSR370H-20600xS	SSR370H-25600xS	SSR370H-40600xS
Corrente di uscita Output Current	10 A	20 A	25 A	40 A
Campo tensione di carico Load voltage range	48-600 VAC	48-600 VAC	48-600 VAC	48-600 VAC
Picco ripetitivo allo stato di Off Ripetitive Peak Off State Voltage	1200 V	1200 V	1200 V	1200 V
Perdita di corrente allo Stato di Off Off State Leakage Current	1 mA	1 mA	1 mA	1 mA
Caduta tensione uscita Output Voltage Drop	1,2 V	1,2 V	1,2 V	1,2 V
Corrente di spunto non ripetitiva Non repetitive surge peak on state current	530 A	530 A	530 A	530 A
Corrente minima di funzionamento Minimum working current	160 mA	160 mA	160 mA	160 mA
Tempo critico salita tensione allo stato di OFF Critical Rate of Rise of Off State Voltage	1000 V/μs	1000 V/μs	1000 V/μs	1000 V/μs
Tempo di innesco Turn-On time	AC Input 30 ms DC Input 10 ms	AC Input 30 ms DC Input 10 ms	AC Input 30 ms DC Input 10 ms	AC Input 30 ms DC Input 10 ms
Tempo di disinnesco Turn-Off time	AC Input 50 ms DC Input 10 ms	AC Input 50 ms DC Input 10 ms	AC Input 50 ms DC Input 10 ms	AC Input 50 ms DC Input 10 ms
Temperatura di funzionamento Operating temperature	-40 ÷ 80	-40 ÷ 80	-40 ÷ 80	-40 ÷ 80
I ² t per la scelta del fusibile I ² t Rating	1404 A ² s	1404 A ² s	1404 A ² s	1404 A ² s
Isolamento ingresso / Uscita (AC – 1min.) Input- Output isolation voltage (AC-1min.)	5000 V	5000 V	5000 V	5000 V
Varistore interno Internal varistor	680 V	680 V	680 V	680 V

DATI TERMICI - THERMAL DATA

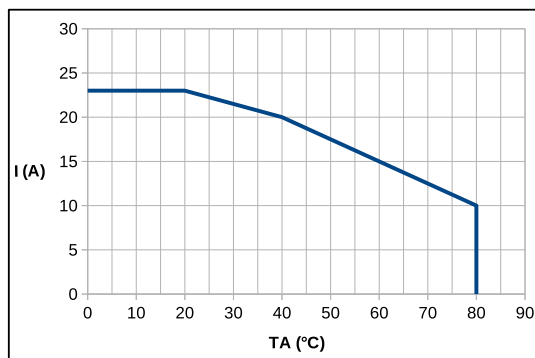
Temperatura di funzionamento Operating-temperature	-40/+80°C
Temperatura di stoccaggio Storage temperature	-40/130°C

CURVE DI DERATING - DERATING CURVES

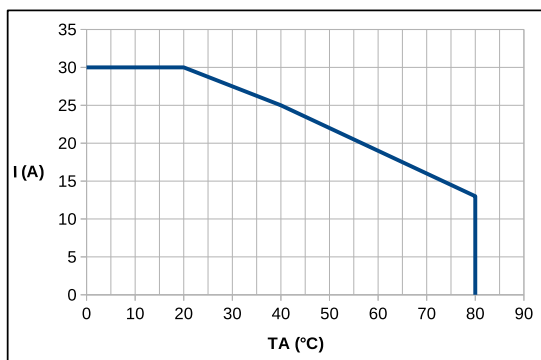
SSR370H-10600xS



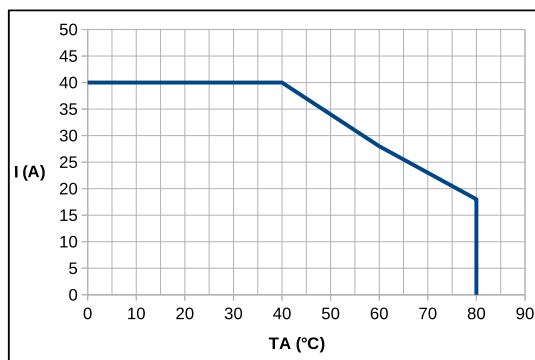
SSR370H-20600xS



SSR370H-25600xS

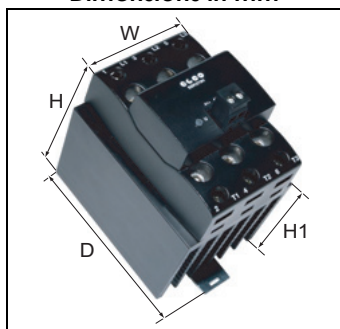


SSR370H-40600xS

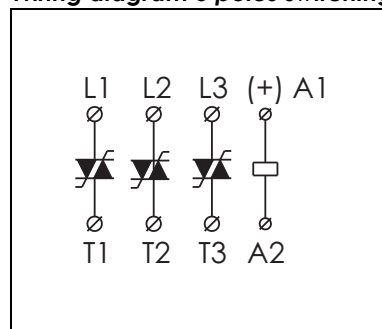


In caso di più SSR montati fianco a fianco si deve considerare un derating della corrente di uscita.
In case of many SSR side by side, a derating of output current should be considered.

Dimensioni in mm
Dimensions in mm



Schema di collegamento 3 poli commutati
Wiring diagram 3 poles switching



DIMENSIONI - DIMENSIONS
(mm)

Modello Model	W	D	H	H1
SSR370H-10600xS	54	119	80	17
SSR370H-20600xS	66	119	114	51
SSR370H-25600xS	65	119	143	80
SSR370H-40600xS	100	119	193,5	130,5

CONFORMI ALLE NORMATIVE CE
EC REFERENCE STANDARD

ACCESSORI - ACCESSORIES

ACCESSORI - ACCESSORIES FOR SOLID STATE RELAYS pag. 86
VARISTORI (MOV) - METAL OXIDE VARISTORS (MOV.) pag. 86
DISSIPATORI - HEAT SINK pagina 86