

**RELE' STATICI A SCR SERIE 860/861**  
**860/861 SERIES SCR SOLID STATE RELAYS**

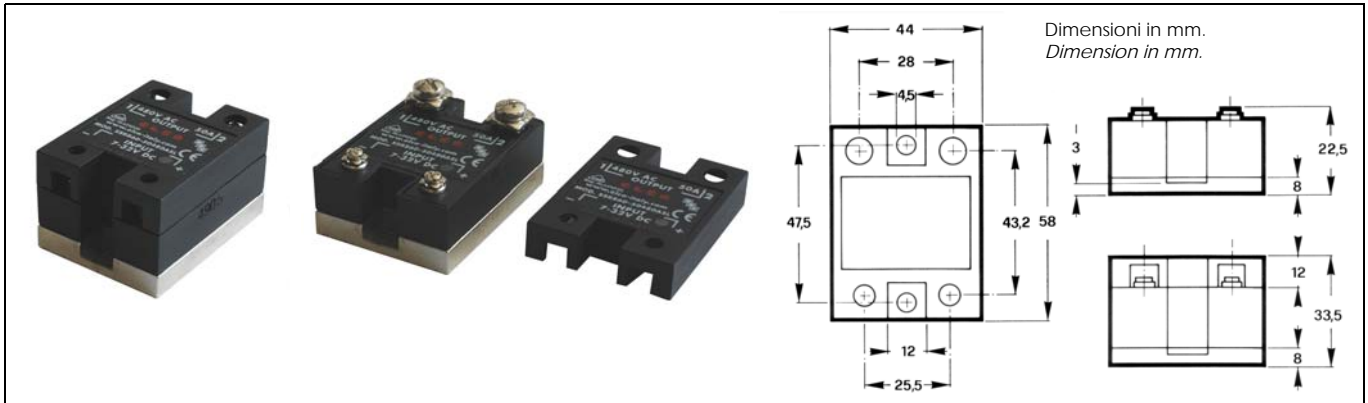


TABELLA SELEZIONE RELE' - RELAY SELECTION TABLE			
TIPO DI COMMUTAZIONE ZERO CROSSING ZERO CROSSING COMMUTATION			
Corrente di uscita Output current	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Modello Model
10A	240 VAC	3-32 VDC	SSR860-10240AS
		8-32 VAC	SSR860-10240BS
		90-240 AC/DC	SSR860-10240CS
	440 VAC	3-32 VDC	SSR860-10440AS
		8-32 VAC	SSR860-10440BS
		90-240 AC/DC	SSR860-10440CS
25A	240 VAC	3-32 VDC	SSR860-25240AS
		8-32 VAC	SSR860-25240BS
		90-240 AC/DC	SSR860-25240CS
	440 VAC	3-32 VDC	SSR860-25440AS
		8-32 VAC	SSR860-25440BS
		90-240 AC/DC	SSR860-25440CS
40A	240 VAC	3-32 VDC	SSR860-40240AS
		8-32 VAC	SSR860-40240BS
		90-240 AC/DC	SSR860-40240CS
	440 VAC	3-32 VDC	SSR860-40440AS
		8-32 VAC	SSR860-40440BS
		90-240 AC/DC	SSR860-40440CS
50A	280 VAC	5-32 VDC	SSR860-50280AS
		7-32 VDC WITH LED	SSR860-50280ASL
		90-240 AC/DC	SSR860-50280CS
	480 VAC	5-32 VDC	SSR860-50480AS
		7-32 VDC WITH LED	SSR860-50480ASL
		90-240 AC/DC	SSR860-50480CS
70A	280 VAC	5-32 VDC	SSR860-70280AS
		7-32 VDC WITH LED	SSR860-70280ASL
		90-240 AC/DC	SSR860-70280CS
	480 VAC	5-32 VDC	SSR860-70480AS
		7-32 VDC WITH LED	SSR860-70480ASL
		90-240 AC/DC	SSR860-70480CS
90A	280 VAC	5-32 VDC	SSR860-90280AS
		7-32 VDC WITH LED	SSR860-90280ASL
		90-240 AC/DC	SSR860-90280CS
	480 VAC	5-32 VDC	SSR860-90480AS
		7-32 VDC WITH LED	SSR860-90480ASL
		90-240 AC/DC	SSR860-90480CS

- \* Corrente nominale 10/25/40/50/70/90A
- \* Rated operational current up to 10/25/40/50/70/90A
- \* Commutazione zero crossing o istantanea
- \* Zero crossing or instantaneous commutation
- \* Tensione di uscita da 20 a 530 VAC
- \* Output voltage from 20 to 530 VAC
- \* Bassa corrente pilotaggio
- \* Low control current
- \* Tensione di picco fino a 1200V
- \* Peak voltage up to 1200V
- \* Isolamento ingresso uscite 4000V
- \* 4000V input-output insulation
- \* Protezione con filtro RC
- \* RC filter protection
- \* Omologazioni VDE -CE
- \* VDE and CE certification

TABELLA SELEZIONE RELE' - RELAY SELECTION TABLE			
TIPO DI COMMUTAZIONE ISTANTANEA INSTANT COMMUTATION			
Corrente di uscita Output current	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Modello Model
10A	240 VAC	3-32 VDC	SSR861-10240AS
		8-32 VAC	SSR861-10240BS
		90-240 AC/DC	SSR861-10240CS
	440 VAC	3-32 VDC	SSR861-10440AS
		8-32 VAC	SSR861-10440BS
		90-240 AC/DC	SSR861-10440CS
25A	240 VAC	3-32 VDC	SSR861-25240AS
		8-32 VAC	SSR861-25240BS
		90-240 AC/DC	SSR861-25240CS
	440 VAC	3-32 VDC	SSR861-25440AS
		8-32 VAC	SSR861-25440BS
		90-240 AC/DC	SSR861-25440CS
40A	240 VAC	3-32 VDC	SSR861-40240AS
		8-32 VAC	SSR861-40240BS
		90-240 AC/DC	SSR861-40240CS
	440 VAC	3-32 VDC	SSR861-40440AS
		8-32 VAC	SSR861-40440BS
		90-240 AC/DC	SSR861-40440CS

CONFORMI ALLE NORMATIVE EC: / EC REFERENCE STANDARDS :  
HD419.2SI / CEI 17.38 / IEC 158-2 / CEE 73-23 CEE 93-68

CERTIFICAZIONI VDE - VDE CERTIFICATION  
Reg.-Nr. 005931-129226

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ACCESSORI - ACCESSORIES pag. 33
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DISSIPATORI - HEAT SINK pag. 33



1 - RELÈ ALLO STATO SOLIDO  
1 - SOLID-STATE RELAYS

### DATI TECNICI USCITA - OUTPUT TECHNICAL DATA

Tensione nominale <i>Nominal voltage</i>	240	280	440	480		
Range tensione di carico <i>Load voltage range</i>	20-280VAC	20-280VAC	40-480VAC	40-530VAC		
Picco ripetitivo allo stato di OFF <i>Repetitive peak off-state voltage</i>	600 VAC	800 VAC	800 VAC	1200 VAC		
<b>Corrente uscita <i>Output current</i></b>	<b>10A</b>	<b>25A</b>	<b>40A</b>	<b>50A</b>	<b>70A</b>	<b>90A</b>
Corrente di spunto non ripetitiva <i>Non repetitive surge peak on state current</i>	t=10ms 100A	400A	500A	550A	1000A	1000A
I <sup>2</sup> t per scelta fusibile <i>I<sup>2</sup>t rating</i>	t=10ms 72A <sup>2</sup> /S	800A <sup>2</sup> /S	1250A <sup>2</sup> /S	1500A <sup>2</sup> /S	5000A <sup>2</sup> /S	5000A <sup>2</sup> /S
Tempo critico salita tensione allo stato di off <i>Critical rate of rise of off-state voltage</i>	dv/dt 200V/μS	500V/μS	500V/μS	500V/μS	500V/μS	500V/μS
Caduta tensione in uscita <i>Output voltage drop</i>	1,6V	1,8V	1,8V	1,8V	1,8V	1,8V
Perdita di corrente allo stato di off <i>Off-state leakage current</i>	1mA	3mA	6mA	10mA	15mA	15mA
Corrente minima di funzionamento <i>Minimum working current</i>	50mA	80mA	150mA	150mA	200mA	200mA

### DATI TECNICI ENTRATA - INPUT TECHNICAL DATA

Tensione ingresso <i>Input voltage</i>	3-32 VDC	5-32 VDC	7-32 VDC	8-32 VAC	90-240 VAC/DC	
					10-25-40A	50-70-90A
Corrente di pilotaggio <i>Control current range</i>	3-32mA	6-34mA	16mA	8-32mA	3-6mA	5-15mA
Tensione di innesco <i>Control pick-up voltage</i>	3V	5V	7V	8V	90V	
Tensione di disinnesco <i>Control drop-out voltage</i>	1V	2V	4V	6V	60V	

### DATI TECNICI ENTRATA/USCITA - INPUT/OUTPUT TECHNICAL DATA

Tensione ingresso <i>Input voltage</i>	3-32 VDC	5-32 VDC	7-32 VDC	8-32 VAC	90-240 VAC/DC	
					10-25-40A	50-70-90A
Massimo ritardo chiusura per commutazione zero crossing <i>Maximum closing delay for zero crossing commutation</i>	1/2 Ciclo	1/2 Ciclo	1/2 Ciclo	20ms	20ms	20ms
Massimo ritardo chiusura per commutazione istantanea <i>Maximum closing delay for zero instant commutation</i>	1ms	1ms	1ms	1ms	1ms	1ms
Massimo ritardo apertura per commutazione zero crossing-istantanea <i>Maximum opening delay for zero crossing-instant commutation</i>	1/2 Ciclo	1/2 Ciclo	1/2 Ciclo	30ms	30ms	30ms
Isolamento <i>Isolation voltage</i>	4000V	4000V	4000V	4000V	4000V	4000V

### DATI TERMICI - THERMAL DATA

Temperatura di funzionamento <i>Operating-temperature</i>	-20/+80°C
Temperatura di stoccaggio <i>Storage temperature</i>	-40/100°C

