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Przełącznik półprzewodnikowy SDP-1024B 10A ELCO 1NO 8-30VAC/DC ster.5.5-36VDC+LED



Dane techniczne:

Nazwa: SDP-1024B

Wejście(input): 8-30VAC/DC

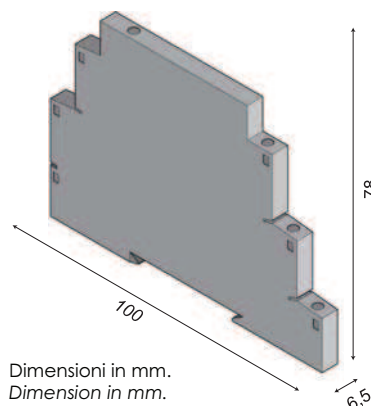
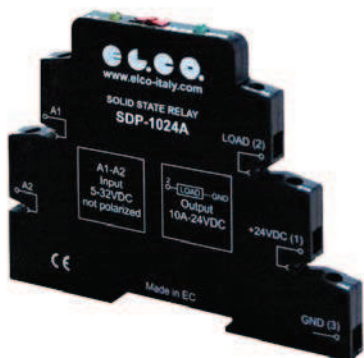
Wyjście(output): 24VDC/10A

Producent: ELCO

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RELE' STATICI SERIE SDP / SAP CON PROTEZIONE ELETTRONICA SDP / SAP SERIES SOLID STATE RELAYS WITH ELECTRONICS PROTECTION



Dimensioni in mm.
Dimension in mm.

TABELLA SELEZIONE RELE' - RELAY SELECTION TABLE

Tipo di commutazione zero crossing - Uscita 240VAC
Zero Crossing commutation - Output 240VAC

Uscita / output TRIAC

Modello Model	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Corrente di uscita Output current
SAP-04240A	12-275VAC	5-30VDC	4A
SAP-04240B	12-275VAC	8-30VAC/DC	(Ta=60°C)

Tipo di commutazione istantanea - Uscita 24VDC
Instantaneous commutation - Output 24VDC
Uscita / output Mosfet

Modello Model	Tensione di uscita Output voltage	Tensione di ingresso Input voltage	Corrente di uscita Output current
SDP-0324A	6-36VDC	5-32VDC	3A (Ta=60°C)
SDP-0324B		8-30VAC/DC	
SDP-0624A	5-36VDC	5-32VDC	6A (Ta=60°C)
SDP-0624B		8-30AC/VDC	
SDP-1024A	5,5-36VDC	5-32VDC	10A (Ta=60°C)
SDP-1024B		8-30AC/VDC	

DATI TECNICI USCITA PER MODELLO SDP OUTPUT TECHNICAL DATA FOR SDP MODEL

Tensione nominale Nominal voltage	24V DC	24V DC	24V DC
Corrente uscita Output current Ta=60°C	3A	6A	10A
Range tensione di carico Load voltage range	6-36VDC	5-36VDC	5,5-36VDC
Tensione di blocco allo stato di off Off-state block voltage	36V DC	36V DC	36V DC
Corrente limite di corto circuito Short circuit current limit	6A	17A	40A
Caduta tensione in uscita Output voltage drop	< 850mV	< 800mV	< 400mV
Perdita di corrente allo stato di off Off-state leakage current	100uA	100uA	100uA
Corrente minima di funzionamento Minimum working current	1mA Vout=24VDC	1mA Vout=24VDC	1mA Vout=24VDC

- * Comando ingresso non polarizzato
- * Non polarized input
- * Led tensione ingresso
- * Led input voltage
- * Led segnalazione intervento protezione elettronica
- * Signalling led for electronics protection intervention
- * Corrente nominale 3-6-10 A DC o 4A AC
- * Rated operational current up to 3-6-10A DC or 4A AC
- * Per modelli in DC protezione da corto circuito(Reset con interruttore per modello uscita 10A), sovracarro, sovracorrente e sovratemperatura con restart
- * Short circuit protection(Reset through switch for 10A model output), over load, over current, over temperature protections with restart for DC model.
- * Per modelli in AC protezione da sovracarro e sovratemperatura con restart
- * Over load and over temperature protections with restart for AC model
- * Esclusione segnale ingresso tramite interruttore
- * Exclusion input signal through switch
- * Commutazione zero crossing per modelli in AC o istantanea per modelli in DC
- * Zero crossing commutation for models with AC voltage output or instantaneous for DC voltage output models
- * Tensione di uscita da 12 a 275 VAC o da 5 a 36V DC
- * Output voltage from 12 to 275 VAC or from 5 to 36V DC
- * Isolamento ingresso uscite 2500V
- * 2500V input-output insulation
- * Protezione in uscita da picchi tensione superiori a 36V per modelli in DC
- * Output protection from voltage peak higher than 36V for DC model
- * Protezione con filtro RC per modelli in AC
- * RC filter protection for AC models
- * Relè statico larghezza 6,5mm
- * Solid state relays breadth 6,5mm
- * Aggancio per barra Din
- * Drawbar for Din bar

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

ACCESSORI - ACCESSORIES

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VARISTORI (MOV) - METAL OXIDE VARISTORS (MOV.) pag. 42



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

DATI TECNICI USCITA PER MODELLO SAP OUTPUT TECHNICAL DATA FOR SAP MODEL

Tensione nominale Nominal voltage	240VAC
Corrente uscita $T_a=60^\circ\text{C}$ Output current	4A
Range tensione di carico Load voltage range	12-275VAC
Picco ripetitivo allo stato di OFF Off-state voltage repetitive peak	600 VAC
Corrente di spunto non ripetitiva Non repetitive surge peak on state current $t=8,3\text{ms}$	6A
I^2t per scelta fusibile I^2t rating for fuse choice $t=10\text{ms}$	36A ² /S
Tempo critico salita tensione allo stato di off Critical rate of rise of off-state voltage dv/dt	400V/ μS
Caduta tensione in uscita Output voltage drop	<1,2V
Perdita di corrente allo stato di off Off-state leakage current	1mA
Corrente minima di funzionamento Minimum working current	50mA

DATI TECNICI ENTRATA - INPUT TECHNICAL DATA

Modello Model	SDP-0324A	SDP-0624A	SDP-1024A	SAP-04240A	SDP-0624B	SDP-1024B	SAP-04240B	SAP-04240B
Tensione ingresso Input voltage	5-32 VDC			5-30VDC	8-30 VAC/DC			
Corrente di pilotaggio Control current range	3-38mA	2,5-34mA	4-23mA	11-52mA	11-50mA	11-39mA		
Tensione di innesco Control pick-up voltage	5VDC				8VAC/DC			
Tensione di disinnesco Control drop-out voltage	<4,5VDC	<3VDC	<4,5VDC	<7,5VAC/DC	<3,5VAC/DC	<6,5VAC/DC		

DATI TECNICI ENTRATA/USCITA MODELLO SAP MODEL SAP INPUT/OUTPUT TECHNICAL DATA

Modello Model	SAP-04240A	SAP-04240B
Massimo ritardo chiusura per commutazione zero crossing Maximum closing delay for zero crossing commutation	10ms	20ms
Massimo ritardo apertura per commutazione zero crossing-istantanea Maximum opening delay for zero crossing-instantaneous	10ms	20ms
Isolamento Isolation voltage	2500V	

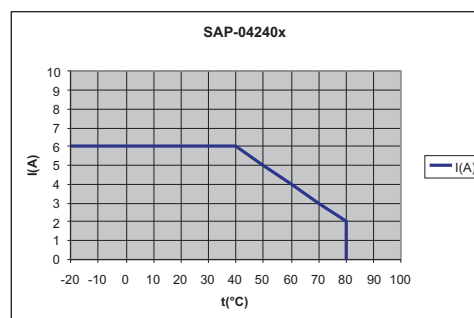
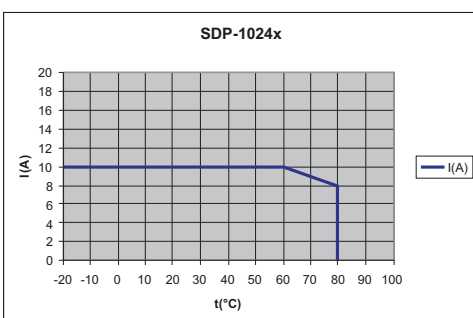
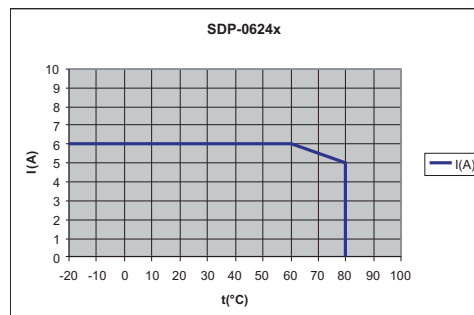
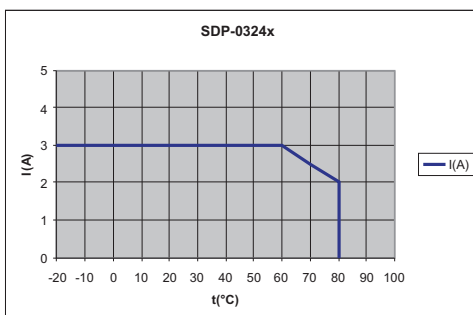
DATI TERMICI - THERMAL DATA

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

DATI TECNICI ENTRATA/USCITA MODELLO SDP - SDP MODEL INPUT/OUTPUT TECHNICAL DATA

Modello Model	SDP-0324A	SDP-0624A	SDP-1024A	SDP-0324B	SDP-0624B	SDP-1024B
Tempo di innesco (t=on) Pick-up time t=(on) Vin=24VDCVout=24VDC Iout=nominal current	<400us		<200us	<4ms	<3ms	
Tempo di disinnesco t=(off) Drop-out time t=(off) Vin=24VDC Vout=24VDC Iout=nominal current	<200us		<400us	<10ms	<23ms	
Isolamento Isolation voltage	2500V					

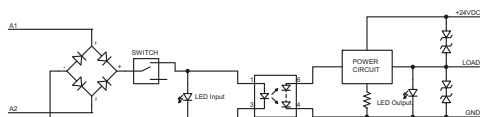
CURVE DI DERATING - DERATING CURVE



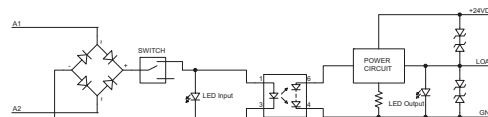
In caso di più SSR montati fianco a fianco si deve considerare un derating della corrente di uscita.
In case of many SSRs side by side, a derating of output current should be considered.

CONNESSIONI CONNECTORS

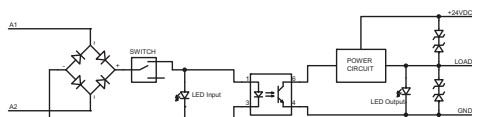
SDP-0324x



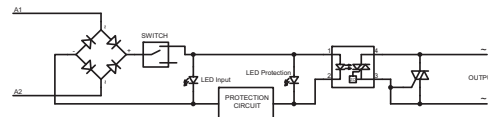
SDP-0624x



SDP-1024x



SAP-04240x



ACCESSORI ACCESSORIES

Pettine a 20 poli
20 Pole comb

Modello / Model
EZD-20P

