

The image displays three RSLogix 10A modules. The module on the left is a 3-15 VDC module with a black top and white base. The middle module is an RSLogix 10A 12V/13V module with a white top and base. The module on the right is an RSLogix 10A 24V module with a white top and base. All modules feature a blue terminal block on top and a white terminal block on the side. The 24V module has a black label with 'RSLogix 10A' and '24V' printed on it.

Funciones principales

- Commutazione dell'uscita CA zero cross o casuale (accensione istantanea), fino a 2 A, 280 VCA
- Protezione contro sovracorrente per RSLSO..
- Protezione contro sovratensione per RSLSD..
- Alta frequenza di commutazione per RSLSD..
- Protección contra sobrecorriente para RSLSO..
- Protección contra sobrevoltajes para RSLSD..
- Alta frecuencia de conmutación para RSLSD..

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Codice per l'ordine



RSL ☐ ☐ ☐ ☐ ☐ ☐

Se si fa il codice per scegliere l'opzione, il codice principale è quello di serie. Reportez-vous à la guide de sélection pour les numéros de pièce valides.

Codice	Valore	Descrizione	Note
RSLS	-	Descrizione	Remarques
☐	A	AC Schaltung (schaltfunktion: nullpunktschaltend)	
☐	B	AC Schaltung (schaltfunktion: nullpunktschaltend)	
☐	D	AC Schaltung (schaltfunktion: nullpunktschaltend)	
☐	024	AC Schaltung (schaltfunktion: nullpunktschaltend)	24 - 280 VAC for RSLSASA
☐	048	AC Schaltung (schaltfunktion: nullpunktschaltend)	24 - 280 VAC für RSI SA
☐	230	AC Schaltung (schaltfunktion: nullpunktschaltend)	24 - 280 VAC für RSI SA
☐	M	AC Schaltung (schaltfunktion: nullpunktschaltend)	24 - 280 VAC für RSI SA
☐	D	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	020	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	001	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	035	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	060	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	IG1	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	IN1	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..
☐	IN1	AC Schaltung (schaltfunktion: nullpunktschaltend)	Applicable with RSLS...230..

Guida alla selezione

Tensione di uscita	Tensione di controllo	Corrente operativa nominale @ 40°C			
		2 ACA	100 mACC	3.5 ACC	6 ACC
24 VCC	3-12 VDC	-	-	RSLSB230M035	RSLSB230M060
	15-30 VDC	-	-	RSLSB230M035	RSLSB230M060
48 VCC	3-12 VDC	-	RSLSB230M001	-	-
	15-30 VDC	-	RSLSB230M001	-	-
230 VCA (zero cross)	3-12 VDC	RSLSB230M020	-	-	-
	15-30 VDC	RSLSB230M020	-	-	-
230 VCA (casuale)	3-12 VDC	RSLSB230M020	-	-	-
	15-30 VDC	RSLSB230M020	-	-	-

Guida alla selezione - preassemblato su base RSLDIN

Tensione di uscita	Tensione di controllo	Corrente operativa nominale @ 40°C			
		2 ACA	100 mACC	3.5 ACC	6 ACC
24 VCC	66 12 VCC	- -	- -	RSLSD024M035G1	RSLSD024M060G1
		- -	- -	RSLSD024M035N1	RSLSD024M060N1
	155 24 VCC	- -	- -	RSLSD024D035G1	RSLSD024D060G1
		- -	- -	RSLSD024D035N1	RSLSD024D060N1
48 VCC	66 12 VCC	- -	RSLSD048M000G1	- -	- -
		- -	RSLSD048M000N1	- -	- -
	155 24 VCC	- -	RSLSD048D000G1	- -	- -
		- -	RSLSD048D000N1	- -	- -
230 VCA (zero cross)	66 12 VCC	RSLSA230M020G1	- -	- -	- -
		RSLSA230M020N1	- -	- -	- -
	155 24 VCC	RSLSA230D020G1	- -	- -	- -
		RSLSA230D020N1	- -	- -	- -
230 VCA (casuale)	66 12 VCC	RSLSB230M020G1	- -	- -	- -
		RSLSB230M020N1	- -	- -	- -
	155 24 VCC	RSLSB230D020G1	- -	- -	- -
		RSLSB230D020N1	- -	- -	- -

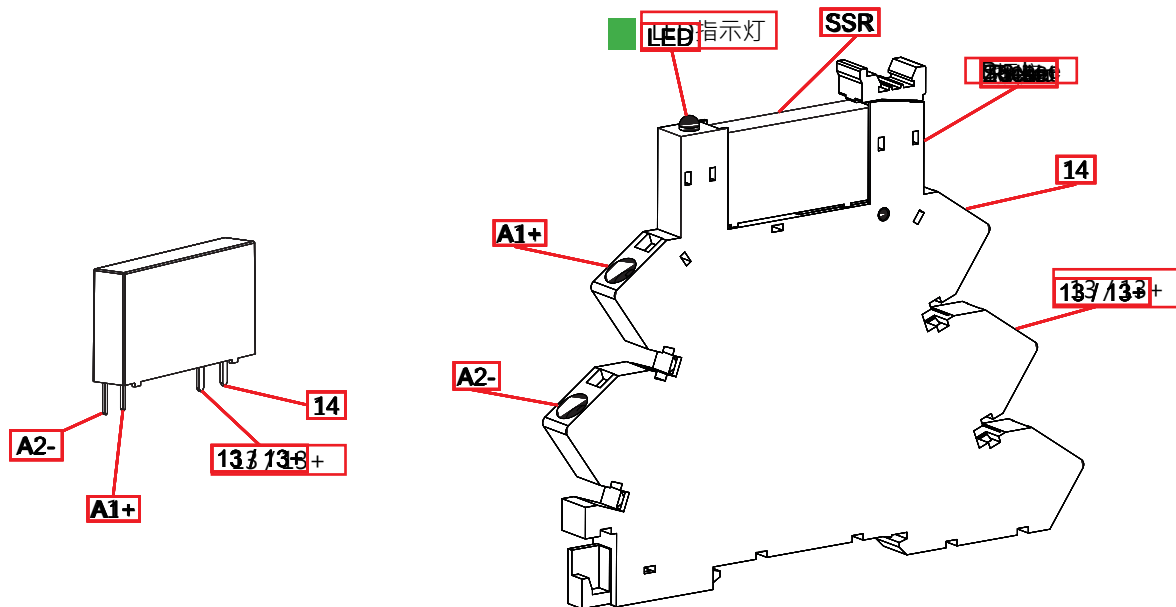
Componenti compatibili Carlo Gavazzi

Descrizione	Codice componente	Note
Base DIN	RSLDIN-1GAX10	Terminali a vite (pacchetto da 10 pezzi)
	RSLDIN-1NAX10	Schraubklemmen (paket mit 10)
	RSLDIN-1NAX10	Terminali a vite (pacchetto da 10 pezzi)
	RSLDIN-1NAX10	Borne à vis (lot de 10)

Ulteriori informazioni Carlo Gavazzi

Informazioni	Dove trovarlo	Note
Scheda dati	https://www.gavazziautomation.com/fileadmin/images/PIM/MANUALS/ENG/SSR_IL_RSLS.pdf	Rele de signal à contacts
Manuale di installazione	https://www.gavazziautomation.com/fileadmin/images/PIM/MANUALS/ENG/SSR_IL_RSLS.pdf	RSLS Installationanleitung
	https://www.gavazziautomation.com/fileadmin/images/PIM/MANUALS/ENG/SSR_IL_RSLS.pdf	RSLS Manual d'installation
	https://www.gavazziautomation.com/fileadmin/images/PIM/MANUALS/ENG/SSR_IL_RSLS.pdf	RSLS Manual d'installation

Getting started

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Methodological Issues

Dati generali

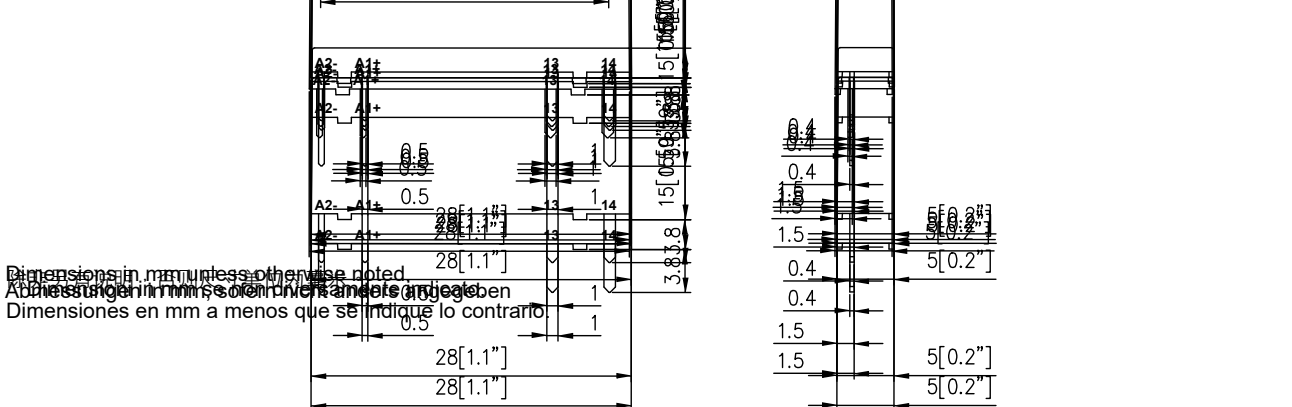
Materiale	PA66 (UL94 V0), bialbero	
Resinatura	Finito con vernice UVB e UVG impregnata (UL94 V0)	
Protezione	RSLC.. RSLC IIG1//RSLC NN1	IP00 IP20
Categoria di sovratensione	III	
Confezione	10 pezzi per scatola Design per scatola Design per scatola RSLC.. RSLC IIG1//RSLC NN1	dimensione g dimensione g dimensione g dimensione g
Peso	RSLC.. RSLC IIG1//RSLC NN1	dimensione g dimensione g dimensione g
Isolamento	Finito con vernice UVB e UVG. Entre l'entrée et la sortie.	2500 VACrms 3750 VACrms (Applicato al cavo SD048.) RLSD048..)

 Dimensioni
 Dimensiones
 PSI S

Dimensions
Dimensioner

RSLS..

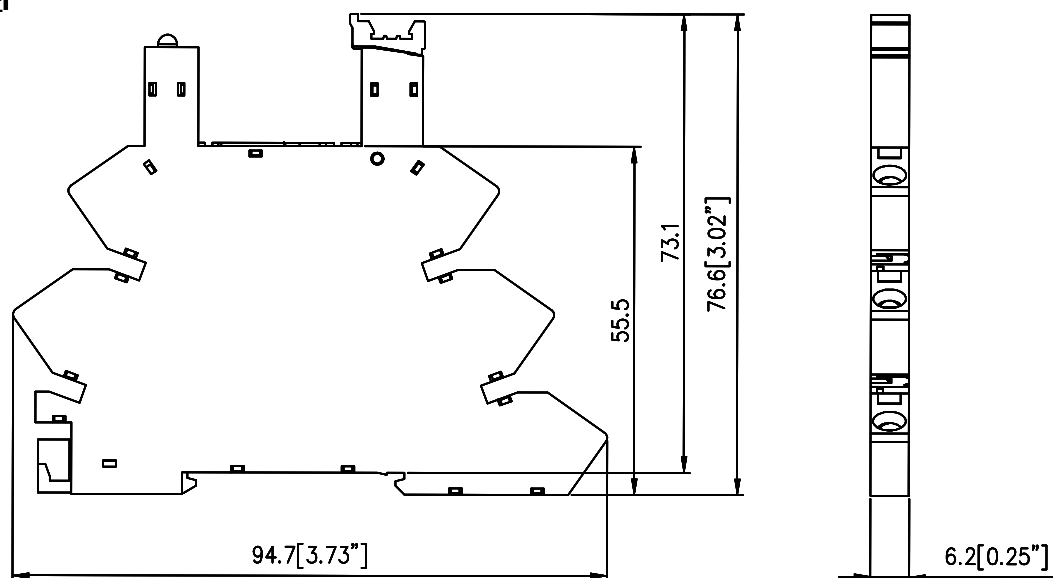
Technical drawing of a mechanical part, likely a shaft or rod, showing dimensions and tolerances. The drawing includes a cross-section view on the left and a side view on the right. The side view shows a cylindrical part with a diameter of 25.2 and a length of 25.2. The cross-section view shows a rectangular part with a width of 25.2 and a height of 25.2. The drawing is labeled with '25.2' and '25.2'.



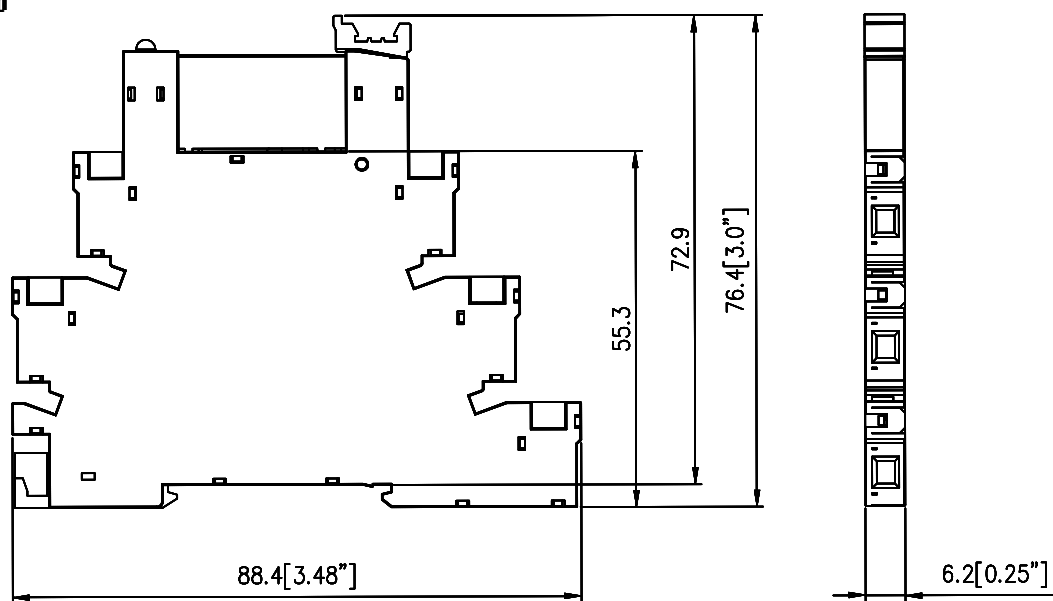
Technical drawing of a mechanical part showing dimensions in inches and millimeters. The drawing includes a top view and a side view. The top view shows a rectangular part with a width of 28 [1.1"] and a length of 28 [1.1"]. The side view shows a rectangular part with a height of 1.5 [0.2"] and a width of 5 [0.2"]. The drawing also includes a detail view of a hole with a diameter of 0.5 [0.2"] and a depth of 1 [0.2"].

Dimensioni (continua)

RSLs.IIG1



RSLs.IIN1



Il presente documento è un documento di lavoro e non deve essere distribuito all'esterno dell'azienda.

RSLS

Caratteristiche di uscita

	RSLSD024..	RSLSD048..	RSLSA230..	RSLSB230..
Tensioni operative, Ue	30-300 VCC	1-140 VCC	24-280 VCA	12-280 VCA
Tensione di picco	330 VCC	600 VCC	6000 Vp	600 Vp
Frequenza nominale	- - -	- - -	45-655 Hz	45-65 Hz

Salida - RSL SD

Specifiche di uscita - RSLSD..

	RSLSD024.035	RSLSD024.060	RSLSD048.001
Corrente operativa massima ¹ : DC-12 / LC	5 A ADC 3.5 A ACC	6 A ADC 6 A ACC	100 mA ADC 100 mA ACC
Corrente min. di funzionamento	0.1 mA	1 mA	0.01 mA
Max. Corrente di dispersione fuori stato a tensione nominale	0.1 mA	0.1 mA	0.01 mA
Caduta di tensione alla corrente nominale	0.5 Vp	0.5 Vp	1 Vp
Corrente massima di sovratensione transitoria [t=15 ms]	30 Ap	60 Ap	0.3 Ap
Configurazione switch	N.O.	N.O.	N.O.
Test di resistenza per uso generale (UL508)	100.000 cycles	100.000 cycles	100.000 cycles
Essais d'endurance pour usage général (UL508)	100 000 cycles	100 000 cycles	100 000 cycles

Specifiche di uscita - RSLSA/B..

	RSLSA230.020	RSLSB230.020
Corrente operativa massima ¹ : AC-51 / LCA	20 mA	20 mA
Corrente min. di funzionamento	1 mA	1 mA
Max. Corrente di dispersione fuori stato a tensione nominale	20 mA	20 mA
Min. dv/dt fuori stato alla Tensione Nominale Massima	500 V/μs	500 V/μs
Max 0.5 cicli I ² t per fusione [50/60 Hz]	32/29 A ² s	32/29 A ² s
Caduta di tensione alla corrente nominale	<1.5 Vp	<1.5 Vp
Corrente massima di sovratensione transitoria [t=10ms]	80 Ap	80 Ap
Configurazione switch	N.O.	N.O.
Test di resistenza per uso generale (UL508)	100.000 cycles	100.000 cycles
Pruebas de resistencia para uso general (UL508)	100.000 cycles	100.000 cycles

1. Fare riferimento alle curve di derating attuali

1. Consulte las curvas de reducción de potencia actuales

1. Se référer aux courbes de déclassement actuelles

		RSLS..M..	RSLS..D..	RSLS..M..IG1/IN1	RSLS..D..IG1/IN1
Tensione di controllo		3 = 12 VDC	15 = 30 VDC	6 = 12 VDC ²	15 = 24 VDC
Tensione di attivazione		3 VDC	15 VDC	6 VDC ²	15 VDC
Tensione di disattivazione					
RSLSD024..	4..	1 VDC	10 VDC	1 VDC	10 VDC
RSLSD048..	8..	1 VDC	10 VDC	1 VDC	10 VDC
RSLSA/B230..	0..	1 VDC	10 VDC	1 VDC	10 VDC
Corrente di ingresso					
RSLSD024..	4..	0.04 A	7.1 mA	0.07 mA	11 mA
RSLSD048..	8..	0.04 A	7.1 mA	0.07 mA	11 mA
RSLSA/B230..	0..	0.04 A	7.1 mA	0.07 mA	11 mA
Impedenza d'ingresso					
RSLSD024..	4..	0.515 kΩ	3.3 kΩ	0.62 kΩ	2.1 kΩ
RSLSD048..	8..	0.515 kΩ	3.3 kΩ	0.62 kΩ	2.1 kΩ
RSLSA/B230..	0..	0.515 kΩ	3.3 kΩ	0.62 kΩ	2.1 kΩ
Frequenza di commutazione ³				500 Hz	
Tempo di risposta di attivazione t _{on}				500 Hz	
RSLSD024..	4..		0.12 ms		
RSLSD048..	8..		0.12 ms		
RSLSA230..	0..		0.12 ms		
RSLSB230..	0..		0.12 ms		
Tempo di risposta di attivazione t _{off}					
RSLSD024..	4..		0.1 ms		
RSLSD048..	8..		0.1 ms		
RSLSA230..	0..		0.1 ms		
RSLSB230..	0..		0.1 ms		
		SCHALTEN			

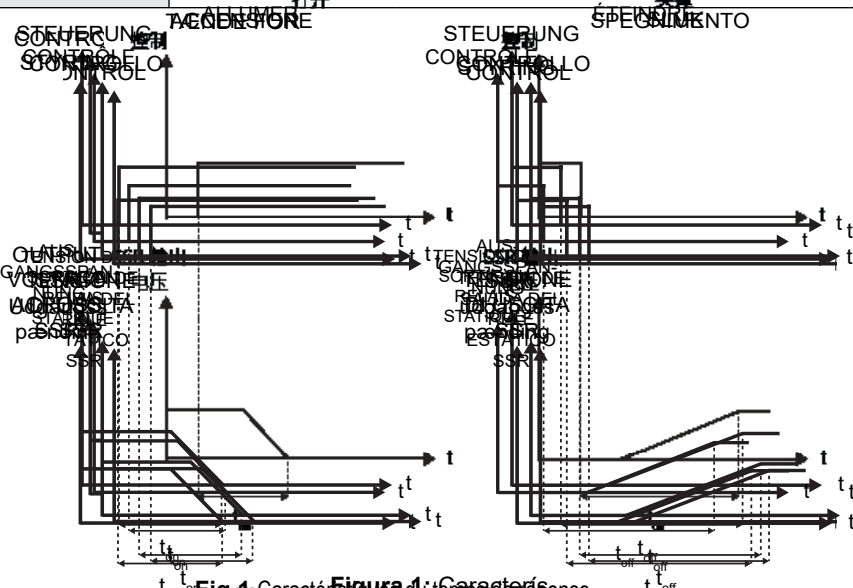
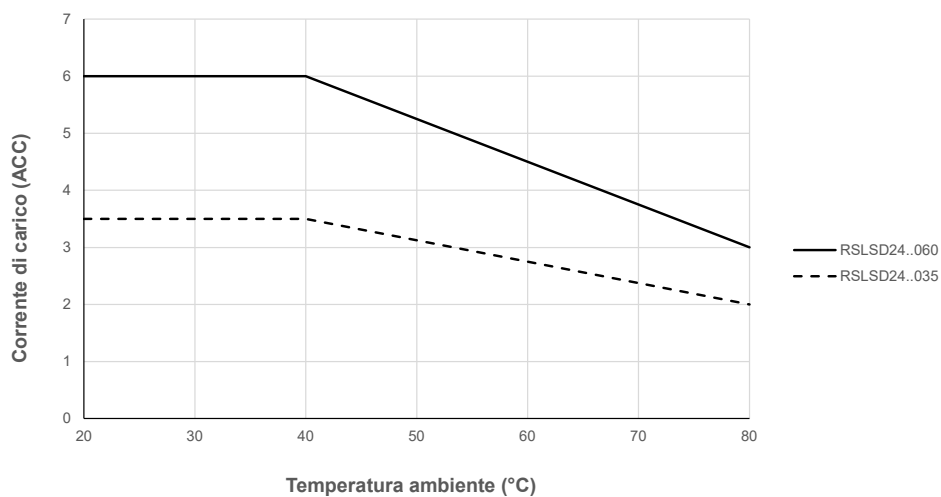


Fig. 4: Características de la respuesta

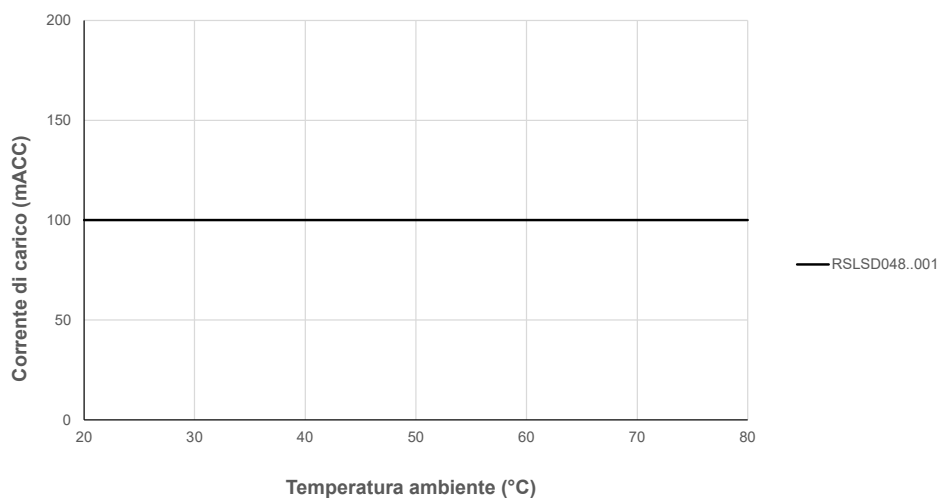
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Curva di derating

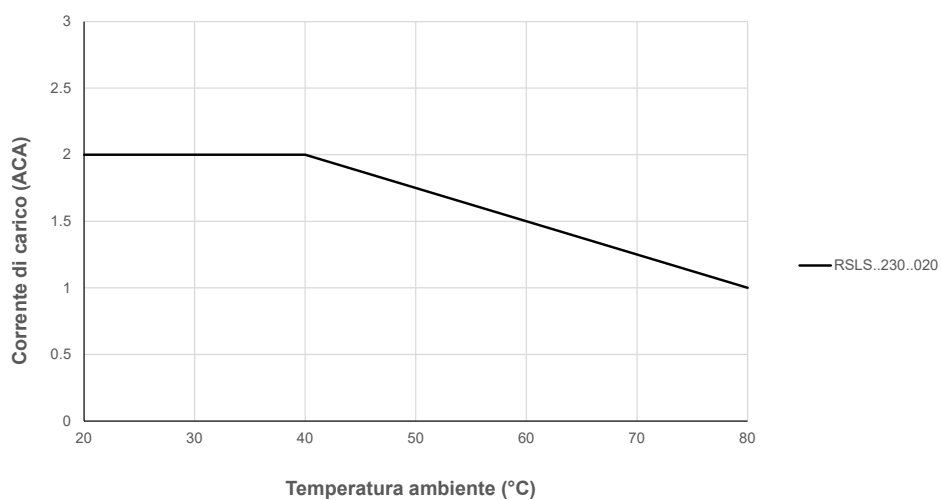
RSLSD024..



RSLSD048..

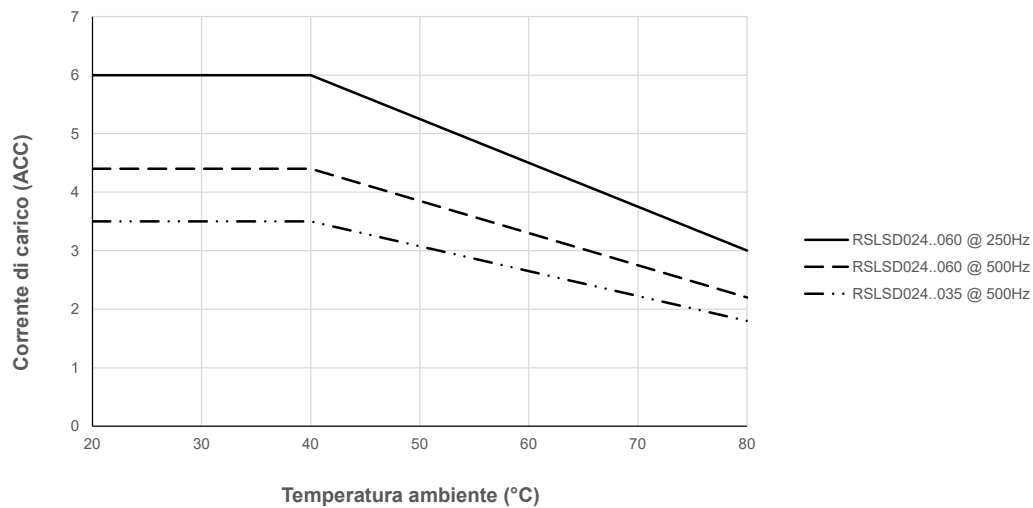


RSLs..230..

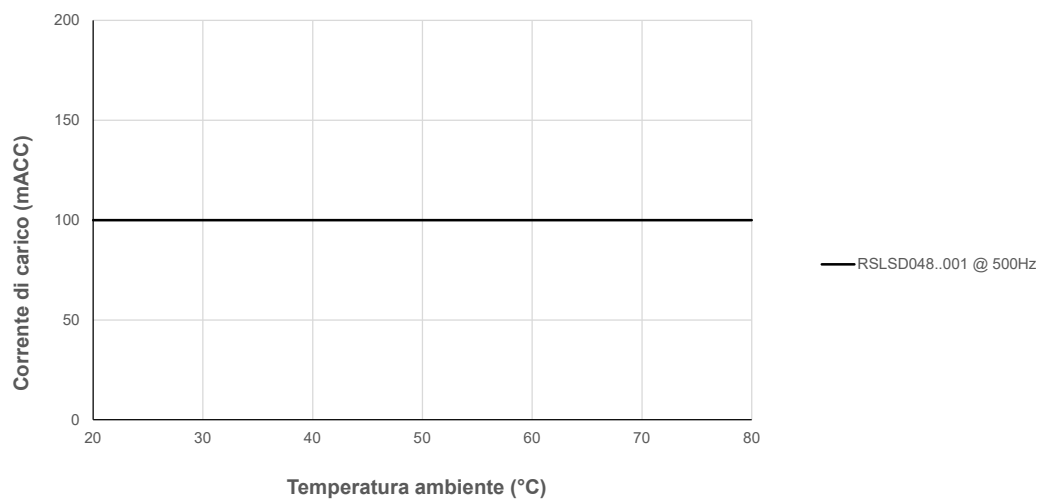


Curve di derating vs PWM

RSLSD024..

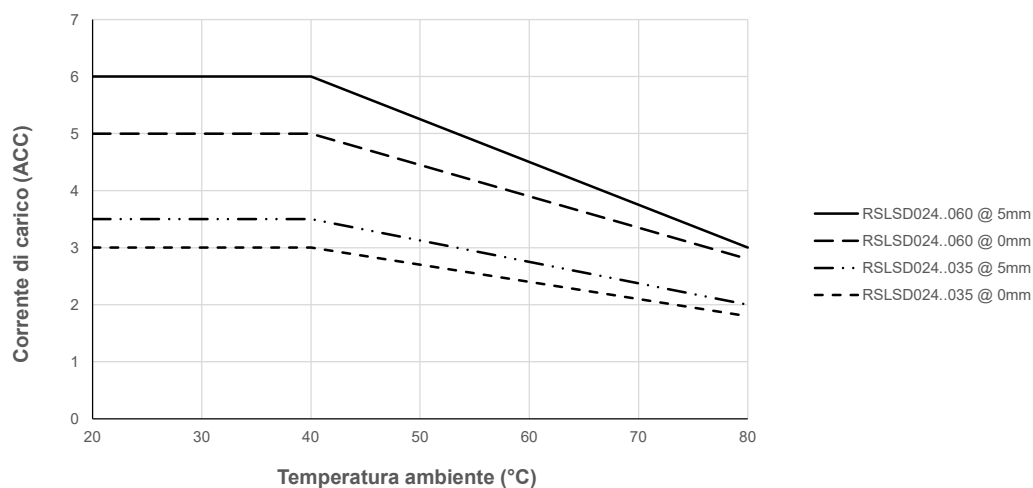


RSLSD048..

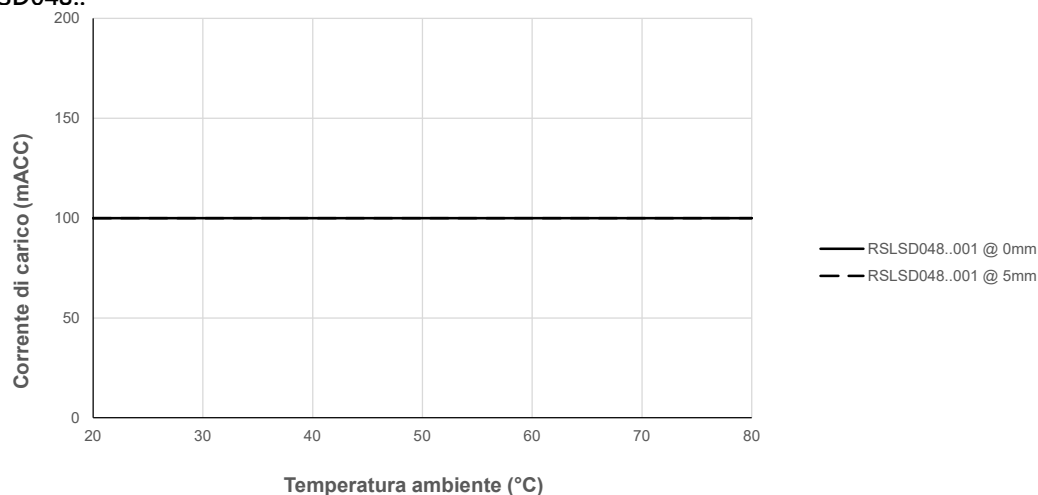


Declassamento vs. distanza di montaggio

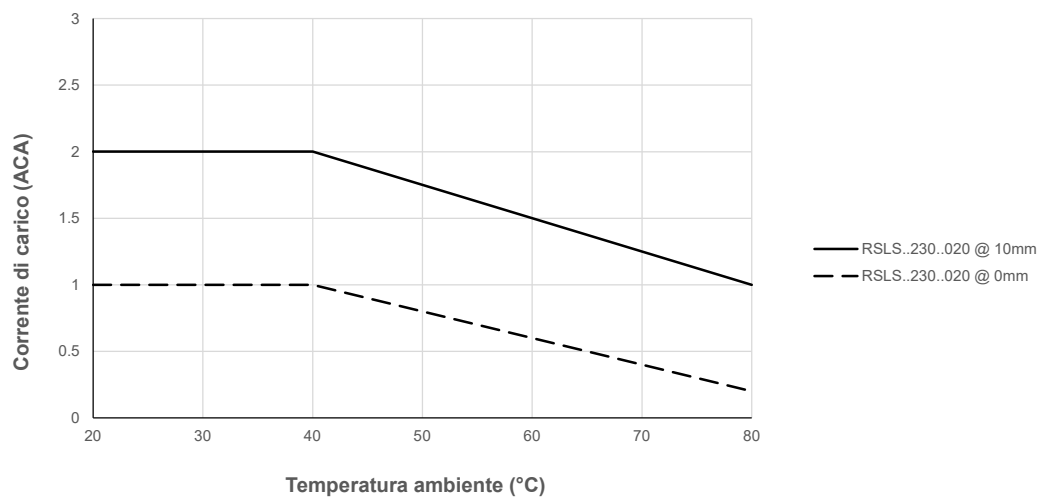
RSLSD024..



RSLSD048.. RSLSD048..



RSLs..230..



Compatibilità e conformità

Approvazioni	
Conformità alle norme	LVD: EN 60947-1 (RSLSA/B..) EN 60947-2 (RSLSD..) EMCD: EN 60947-1 (RSLSA/B..) EN 60947-2 (RSLSD..) cULus: UL508 Recognized (E80573), NRNT2, NRNT8 CSA: C22.2 No. 14 (204075)

Compatibilità elettromagnetica (EMC) - Immunità	
Scariche elettrostatiche (ESD)	EN/IEC 61000-4-2 8 kV contatto, 15 kV aria (PC1)
Radio frequenza irradiata	EN/IEC 61000-4-3 10 V/m, da 80 MHz a 1000 MHz (PC1) 3 V/m, da 1000 MHz a 6000 MHz (PC1)
Transitori veloci (burst)	EN/IEC 61000-4-4 10 V/m, da 80 MHz a 1000 MHz (PC1) 2 kV, da 5 kHz a 5 kHz (PC2)
Radio frequenza condotta	EN/IEC 61000-4-6 10 V/m, da 80 MHz a 1000 MHz (PC1) 10 V/m, da 1000 MHz a 6000 MHz (PC1)
Immunità elettrica	EN/IEC 61000-4-8 0.5 kV, da 80 MHz a 1000 MHz (PC1)
RSLSA/B..	EN/IEC 61000-4-2 10 kV, da 80 MHz a 1000 MHz (PC1)
RSLSD..	EN/IEC 61000-4-2 10 kV, da 80 MHz a 1000 MHz (PC1)
RSLS..	EN/IEC 61000-4-2 10 kV, da 80 MHz a 1000 MHz (PC1)
Cali di tensione	EN/IEC 61000-4-10 0% da 1000 Hz a 1000 Hz (PC2) 10% da 1000 Hz a 1000 Hz (PC2) 20% da 1000 Hz a 1000 Hz (PC2) 40% da 1000 Hz a 1000 Hz (PC2) 100% da 1000 Hz a 1000 Hz (PC2)
Interruzioni di tensione	EN/IEC 61000-4-11 0% da 1000 Hz a 1000 Hz (PC2)
Spannungsunterbrechungen	EN/IEC 61000-4-11 0% da 1000 Hz a 1000 Hz (PC2)

Compatibilità elettromagnetiche (EMC) - Emissioni	
Emissione interferenze radio (irradiata)	EN 55011 Class A da 30 a 1000 MHz
Interferenza radio emessa (condotta)	EN 55011 Class A da 30 a 1000 MHz
Interferenza radio dans les émissions de champ (par conduction)	EN 55011 Class A da 30 a 1000 MHz
4. (Leitungsgeführte) Emissionen	EN 55011 Class A da 30 a 1000 MHz

4. externaler Schutz über A1-A2 erforderlich (Anmerkung: Gleichstromanschluss <60V ausgenommen (IEC 60947-1))

Temperatura di funzionamento	25°C (+77°F) - 55°C (+133°F) (F76°F) max 70°C (+158°F) (F158°F)
Temperatura di immagazzinaggio	-25°C (-13°F) - 55°C (+133°F) (F133°F) F max 70°C (+158°F) (F158°F)
Umidità relativa	95% su condensation max 40°C max 40°C (+104°F) (F104°F)
Grado di contaminazione	2
Altitudine di installazione	0 - 1000 m (0 - 3280 ft) max 2000 m (6561 ft)
Resistenza alle vibrazioni	5 ms rms (0.005 s) (F0.005 s) max 10 ms (0.01 s) (F0.01 s)
Resistenza agli urti	1 ms (0.001 s) (F0.001 s) max 2 ms (0.002 s) (F0.002 s)
Conformità RoHS UE	Si
China RoHS	

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~~Das Unternehmen ist ein Unternehmen in Übereinstimmung mit dem Small Business Act der Republik Österreich, das die Förderung der Entwicklung und des Wachstums von Unternehmen mit weniger als 250 Mitarbeitern und einem Umsatz von weniger als 50 Millionen Euro zum Ziel hat. Das Unternehmen ist ein Unternehmen, das die Förderung der Entwicklung und des Wachstums von Unternehmen mit weniger als 250 Mitarbeitern und einem Umsatz von weniger als 50 Millionen Euro zum Ziel hat. Das Unternehmen ist ein Unternehmen, das die Förderung der Entwicklung und des Wachstums von Unternehmen mit weniger als 250 Mitarbeitern und einem Umsatz von weniger als 50 Millionen Euro zum Ziel hat.~~

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GB 1364-2014 标准在电子电气产品中限定使用的有害物质
GB 1364-2014 标准在电子电气产品中限定使用的有害物质

GB/T11364-2014: 标注在电子电气产品中限定使用的有害物质
这份申明根据中华人民共和国电子工业标准

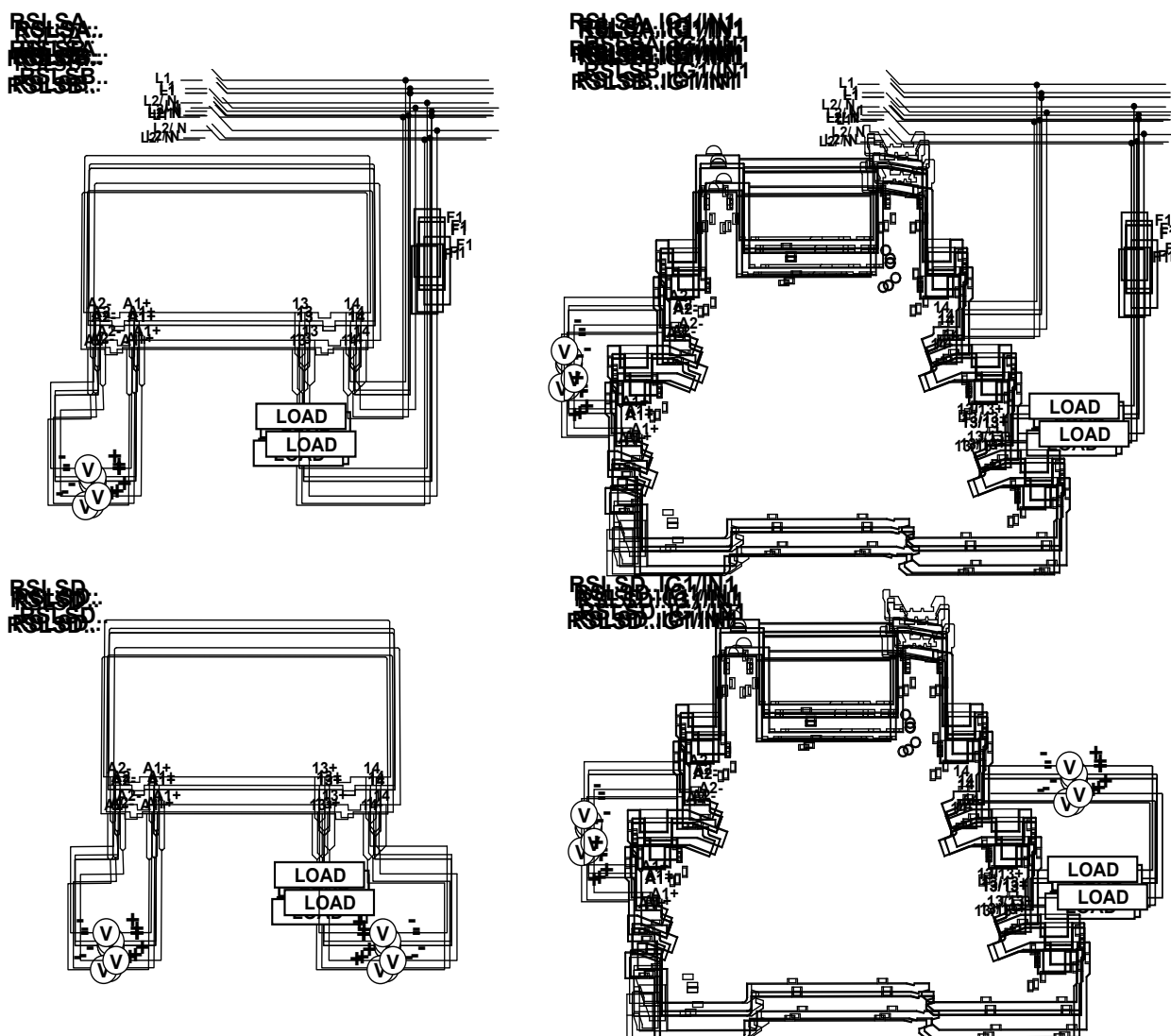
GB/T 11364-2014 标注在电子电气产品中限定使用的有害物质
SJ/T 11364-2014 标注在电子电气产品中限定使用的有害物质

零件名称	有毒或有害物质与元素					
	铅 (Pb)	汞 (Hg)	铜 (Cu)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴联苯醚 (PBDE)
功率单元	料中含有的该有害物质低于GB/T 26572的限定。	料中含有的该有害物质低于GB/T 26572的限定。	料中含有的该有害物质高于GB/T 26572的限定。	○	○	○
○:此零件所有材料中含有的该有害物质高于GB/T 26572的限定。 ○:此零件所有材料中含有的该有害物质高于GB/T 26572的限定。				○	○	○
X: 此零件某种材料中含有的该有害物质高于GB/T 26572的限定。 X: 此零件某种材料中含有的该有害物质高于GB/T 26572的限定。						

Protezione da cortocircuito

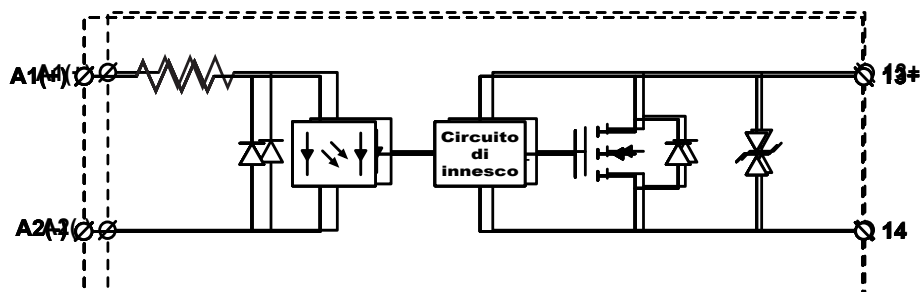
Part No.	Coordinazione Protezioni	Corrente presunta di corto circuito	Taglia max. fusibile F1 [A]	Part number	Max. Tensione
RSLSD024..	Type 1	1000 A	TBD	TBD	TBD
RSLSD048..					
RSLSA230..	Type 2	550 A (100)	225 A	CANDAC 250 DPF (Defuse)	280 V
RSLSB230..					

Diagramma di connessione

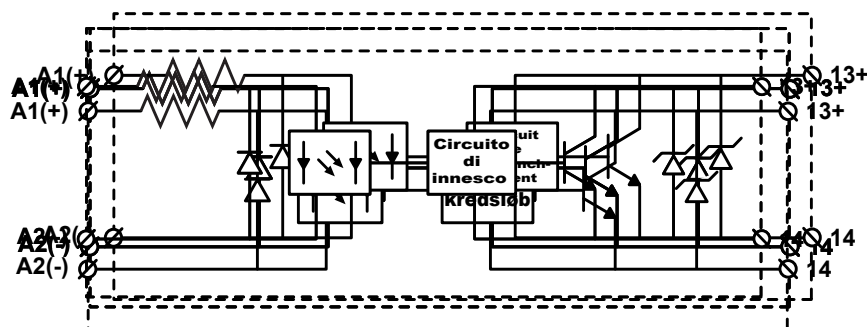


Schema funzionale

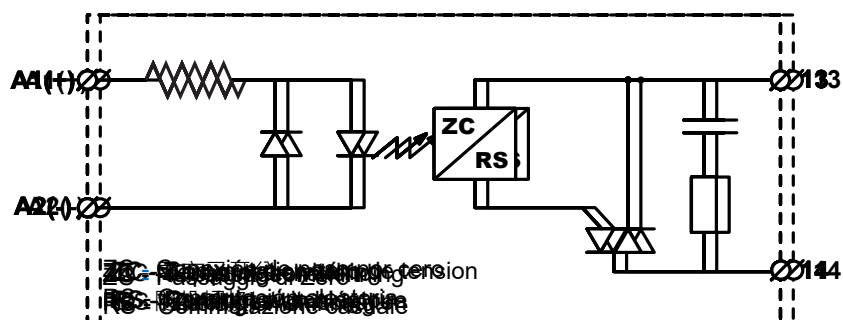
RSLSD024..



RSLSD048..



RSLSA/B230..



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[1310H-HDC](#) [1390H-1ST](#) [1390H-2PC](#) [1410-2SM](#) [1410-3SM](#) [1510-1ST](#) [16-1328](#) [MSL09](#) [MSS09](#) [20C252](#) [2-1419106-9](#) [K2-SS](#) [RP78614](#)
[27E702](#) [ES8](#) [1810DB-SX](#) [SQ9Z-C](#) [ST141-A2](#) [SYSWINSMP](#) [GDA32HD](#) [GDA32SD](#) [GPS1001](#) [27E131](#) [27E400](#) [27E714](#) [27E936](#) [GURX-](#)
[120](#) [GURX-24](#) [GURX-240](#) [HDB-3](#) [4-1608090-1](#) [44255010](#) [AX-1MF-01](#) [5-1616319-6](#) [51807034](#) [3-1393159-8](#) [35C320J](#)