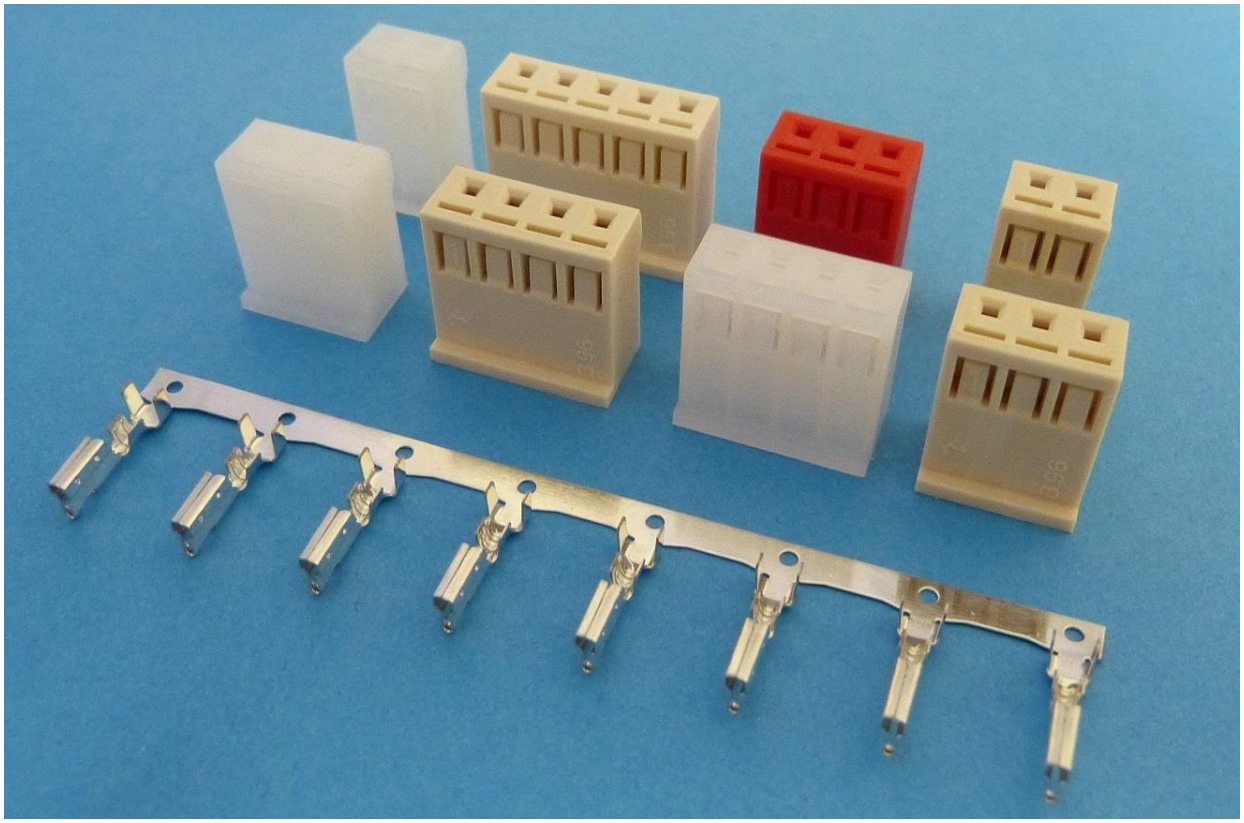


SPX connector system

Wire-to-Board

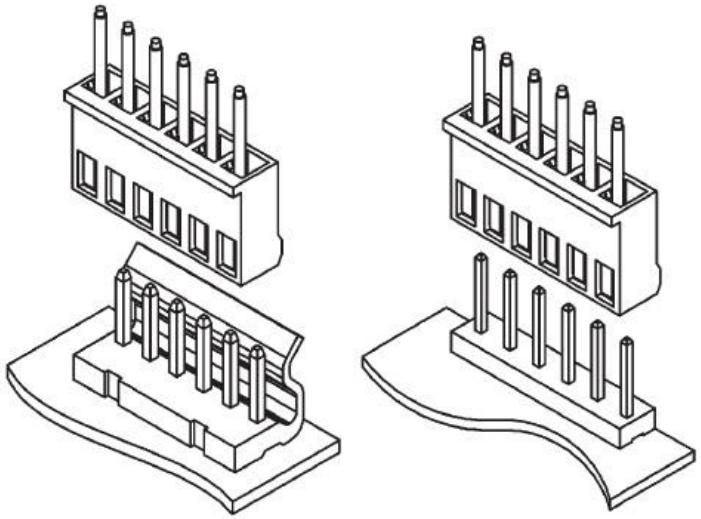
Passo 3.96mm e 5.08mm

Pitch 3.96mm and 5.08mm

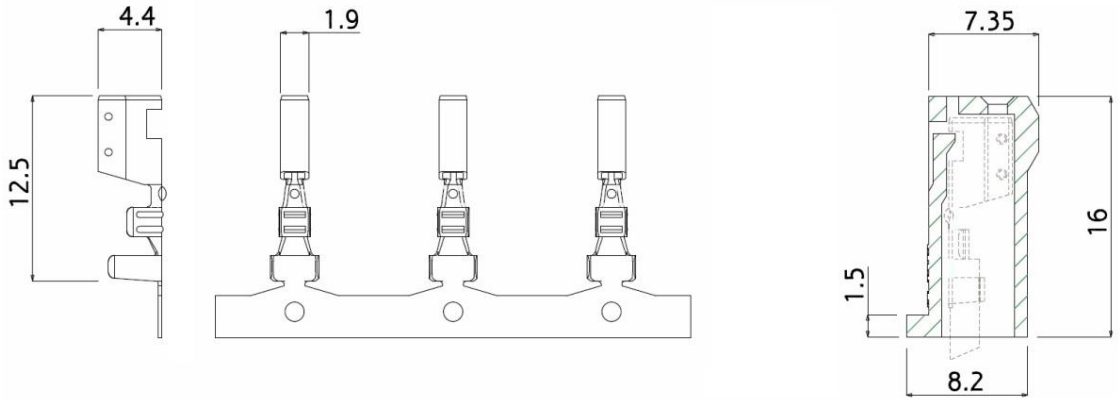
DESCRIZIONE / Overview

Sistema di connessione utilizzabile con circuiti di alimentazione o con circuiti di segnale a bassa tensione. I connettori sono disponibili in materiali compatibili con il 'Glow Wire Test' secondo la Norma IEC 60335-1 ed hanno applicazioni in cablaggi elettrici utilizzati nell'industria del piccolo e grande Elettrodomestico. Il sistema di connessione offre un terminale femmina a crimpare e connettori multivia con passo 3.96mm e 5.08mm adatti a connettori da scheda premontati con terminali tipo Pin a saldare. L' estrattore ER594 è progettato per rimuovere il terminale femmina dal connettore multivia.

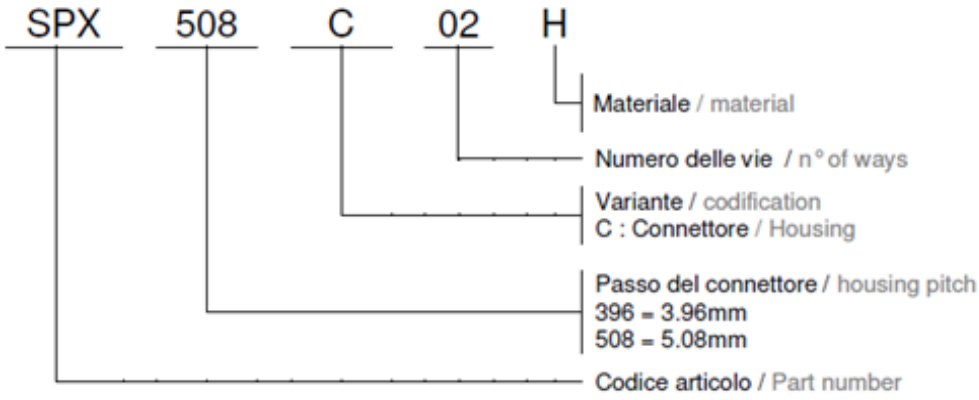
This modular connectors range can be used with low voltage, low current signal circuits and with power supply circuits. Connector housings are available in special Glow Wire Test compatible material, according to the IEC 60335-1. SPX connectors have applications in harness assemblies used in the Appliances industries, Vending, Gaming and Heating systems. A connector assembly consists of a housing with a specified number of crimp contacts (sockets) and a pc board header supplied with preloaded solder tail pincontacts. The same crimp contact can be used for both 3.96mm and 5.08 pitch housings. The Extraction Tool ER594 is designed for removing socket contacts from housings.



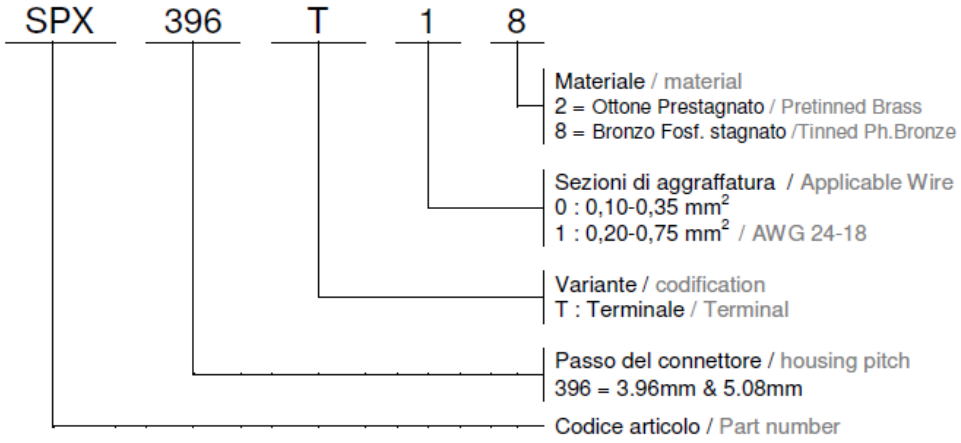
DIMENSIONI / Dimensions



IDENTIFICAZIONE CONNETTORI / Housings Name and Part Number



IDENTIFICAZIONE TERMINALI / Contacts Name and Part Number



CARATTERISTICHE MATERIALI / Materials Specification

Connettori / Housings	*PA66-V2, PA66-V0* *Glow Wire capable (750°C Noflame) according to Directive IEC 60335-1.*
Terminali / Contacts	Ottone o Bronzo Fosforoso stagnati / Brass or Phosphor Bronze with tin plating (Lead-Free).

CORRENTI E CAVI APPLICABILI / Ratings and Applicable Wires

Sezioni di cavo applicabili / Applicable wire	0,20-0,75 mm^2 / 24-18 AWG
Tensione della corrente di lavoro / Rated voltage	250V AC/DC max
Portata di corrente / Rated current (max.)	7 A max
Resistenza del contatto / Contact resistance	10 mΩ max

CARATTERISTICHE ELETTRICHE / Electrical Specification

Temperatura d'esercizio / Operating temperature	-40°C ~ +140°C
Resistenza del contatto / Contact resistance	10 mΩ max

AUTOCERTIFICAZIONI / Product Certification

CE RoHS REACH cULus ECBT2.E490437 ECBT8.E490437

CARATTERISTICHE MECCANICHE / Mechanical Specification

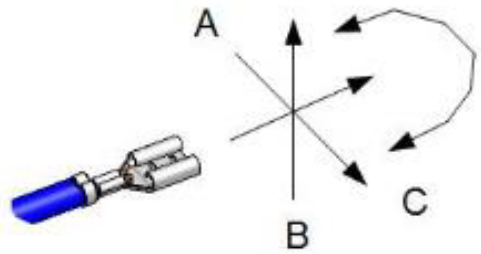
Inserimento Terminale nel connettore / Terminal insertion into the housing	19 N max
Estrazione Terminale dal connettore / Terminal retention from the housing	30 N min
Estrazione Terminale dal pin / Terminal retention from the pin	19 N min

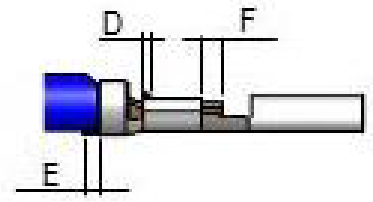
Forza inserimento e disinsertimento del connettore
Housing insertion and withdrawal force

(Condizioni dei test : applicata una forza assiale con una velocità di 25mm/min)
(Tests conditions : applied an axial pull out force at the speed rate 25mm/min)

	Insertion		Withdrawal	
	1st N max	6th N max	1st N min	6th N min
2 poli / 2 circuits	44	35	7	8
3 poli / 3 circuits	55	47	10	8
4 poli / 4 circuits	65	57	11	9
5 poli / 5 circuits	75	65	13	10
6 poli / 6 circuits	85	73	14	11
7 poli / 7 circuits	95	80	16	12
8 poli / 8 circuits	104	88	17	13
9 poli / 9 circuits	114	96	19	14

SPECIFICHE E CONTROLLO DELL' AGGRAFFATURA / Crimp Specification and Quality Chart





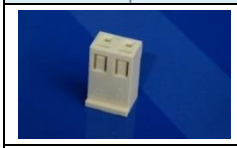
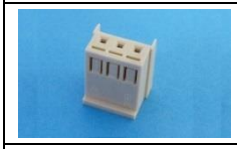
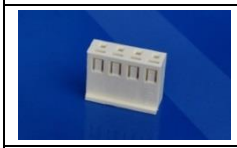
A - Inclinazione orizzontale max	3°
B - Inclinazione vertical max	3°
C - Torsione max	3°
D - Bell mouth	0,2-0.5 mm
E - Testimone taglio massimo / max. cut-off Tab lenght	0.5 mm
F - Sporgenza cavo minimo / min. extruded wire lenght	0.5 mm

Dimensioni dell'aggraffatura / Crimped area dimensions

Sezione Wire Sec. mm²	Applicatore Crimp Model	Codice Part No.	Rame / Conductor		Guaina / Insulation		Trazione Pull out N
			Altezza/Height mm ±0.05	Largh/Width mm ±0.10	Altezza/Height mm ±0.10	Largh/Width mm ±0.10	
0,75	WIRMEC WB10	SPX396T18	1.21	1.66	/	2.80	142
0,50			1.16	1.63	/	2.80	109
0,35			1.06	1.63	/	2.80	71
0,25			1.02	1.60	/	2.80	52

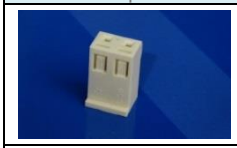
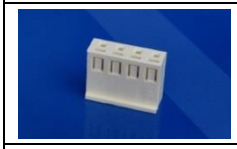
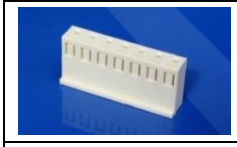
CONNESSIONE PASSO 3.96 / 3.96 Pitch connectors

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm²	AWG				
	11,0mm	**SPX396T12**	0,25-0,75	24-18	Ottone Brass	Stagnato Tinned	c UL us	6 x 4.000
		SPX396T18	0,25-0,75	24-18	Br.Fosforoso Phosphor Br.	Stagnato Tinned	c UL us	6 x 4.000

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	2	**SPX396C02**	PA66	V2	130	---	c UL us	5.000
		SPX396C02V0	PA66	V0	140	---		
		SPX396C02H	PA6	V2	130	750°C noflame		
		SPX396C02Z	PA66	V0	140	750°C noflame		
	3	**SPX396C03**	PA66	V2	130	---	c UL us	5.000
		SPX396C03V0	PA66	V0	140	---		
		SPX396C03H	PA6	V2	130	750°C noflame		
		SPX396C03Z	PA66	V0	140	750°C noflame		
	3 custom design	**SPX396C03S**	PA66	V2	130	---	c UL us	5.000
		SPX396C03SV0	PA66	V0	140	---		
		SPX396C03SH	PA6	V2	130	750°C noflame		
		SPX396C03SZ	PA66	V0	140	750°C noflame		
	4	**SPX396C04**	PA66	V2	130	---	c UL us	4.000
		SPX396C04V0	PA66	V0	140	---		
		SPX396C04H	PA6	V2	130	750°C noflame		
		SPX396C04Z	PA66	V0	140	750°C noflame		
	5	**SPX396C05**	PA66	V2	130	---	c UL us	2.500
		SPX396C05V0	PA66	V0	140	---		
		SPX396C05H	PA6	V2	130	750°C noflame		
		SPX396C05Z	PA66	V0	140	750°C noflame		
	6	**SPX396C06**	PA66	V2	130	---	c UL us	2.000
		SPX396C06V0	PA66	V0	140	---		
		SPX396C06H	PA6	V2	130	750°C noflame		
		SPX396C06Z	PA66	V0	140	750°C noflame		
	7	**SPX396C07**	PA66	V2	130	---	c UL us	2.000
		SPX396C07V0	PA66	V0	140	---		
		SPX396C07H	PA6	V2	130	750°C noflame		
		SPX396C07Z	PA66	V0	140	750°C noflame		
	8	**SPX396C08**	PA66	V2	130	---	c UL us	2.000
		SPX396C08V0	PA66	V0	140	---		
		SPX396C08H	PA6	V2	130	750°C noflame		
		SPX396C08Z	PA66	V0	140	750°C noflame		
	9	**SPX396C09**	PA66	V2	130	---	c UL us	1.500
		SPX396C09V0	PA66	V0	140	---		
		SPX396C09H	PA6	V2	130	750°C noflame		
		SPX396C09Z	PA66	V0	140	750°C noflame		

CONNESSIONE PASSO 5.08 / 5.08 Pitch connectors

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section mm²	 AWG	MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
	11,0mm	**SPX396T12**	0,25-0,75	24-18	Ottone Brass	Stagnato Tinned	c UL us	6 x 4.000
		SPX396T18	0,25-0,75	24-18	Br.Fosforoso Phosphor Br.	Stagnato Tinned	c UL us	6 x 4.000

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING UL94	 RTI	 GWT	CERTIFICATI Approvals	CONF.NE Package
	2	**SPX508C02**	PA66	V2	130	---	c UL us	4.000
		SPX508C02V0	PA66	V0	140	---		
		SPX508C02H	PA6	V2	130	750°C noflame		
		SPX508C02Z	PA66	V0	140	750°C noflame		
	3	**SPX508C03**	PA66	V2	130	---	c UL us	4.000
		SPX508C03V0	PA66	V0	140	---		
		SPX508C03H	PA6	V2	130	750°C noflame		
		SPX508C03Z	PA66	V0	140	750°C noflame		
	4	**SPX508C04**	PA66	V2	130	---	c UL us	2.500
		SPX508C04V0	PA66	V0	140	---		
		SPX508C04H	PA6	V2	130	750°C noflame		
		SPX508C04Z	PA66	V0	140	750°C noflame		
	5	**SPX508C05**	PA66	V2	130	---	c UL us	2.500
		SPX508C05V0	PA66	V0	140	---		
		SPX508C05H	PA6	V2	130	750°C noflame		
		SPX5080C05Z	PA66	V0	140	750°C noflame		
	6	**SPX508C06**	PA66	V2	130	---	c UL us	2.500
		SPX508C06V0	PA66	V0	140	---		
		SPX508C06H	PA6	V2	130	750°C noflame		
		SPX508C06Z	PA66	V0	140	750°C noflame		
	7	**SPX508C07**	PA66	V2	130	---	c UL us	2.000
		SPX508C07V0	PA66	V0	140	---		
		SPX508C07H	PA6	V2	130	750°C noflame		
		SPX508C07Z	PA66	V0	140	750°C noflame		
	8	**SPX508C08**	PA66	V2	130	---	c UL us	2.000
		SPX508C08V0	PA66	V0	140	---		
		SPX508C08H	PA6	V2	130	750°C noflame		
		SPX508C08Z	PA66	V0	140	750°C noflame		
	9	**SPX508C09**	PA66	V2	130	---	c UL us	1.500
		SPX508C09V0	PA66	V0	140	---		
		SPX508C09H	PA6	V2	130	750°C noflame		
		SPX508C09Z	PA66	V0	140	750°C noflame		