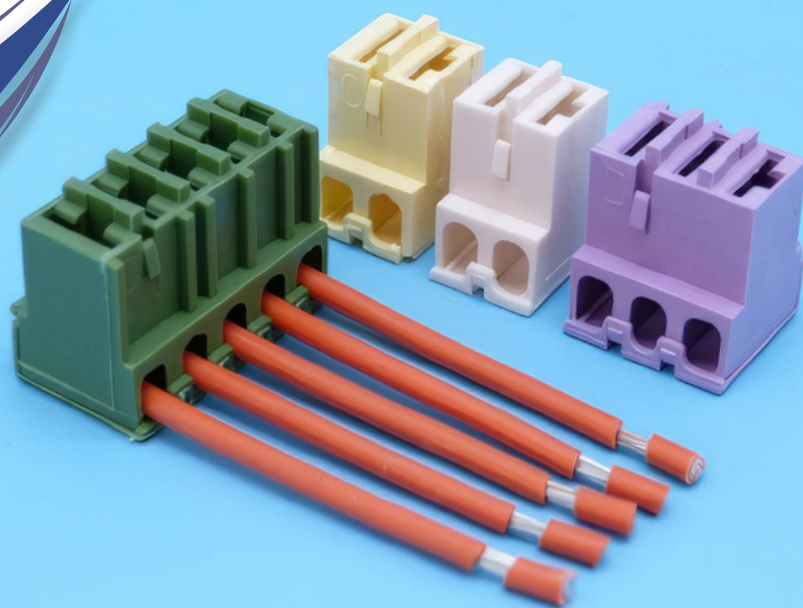


RS5 series



RS50 connectors **RAST 5 system connection**

Passo 5.00mm - uscita cavo 90° laterale
Pitch 5.00mm - wire angle exit 90°

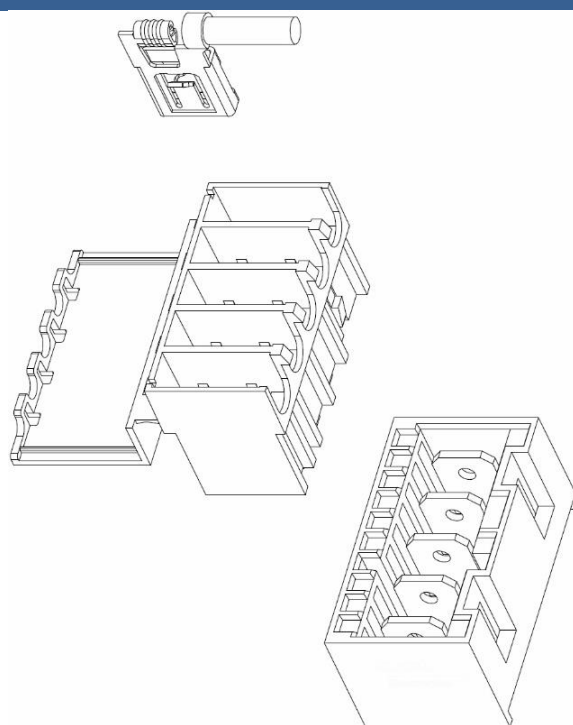
DESCRIZIONE / Overview

Questo tipo di connessione consiste in connettori multivia passo 5.00mm e terminali femmina a crimpare per connessione indiretta su scheda elettronica. I connettori hanno interfaccia con una chiave di polarizzazione secondo lo standard RAST e un sistema secondary lock per evitare lo sgancio accidentale del contatto.

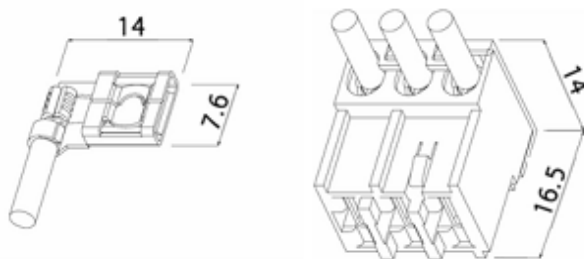
La tenuta del terminale nel connettore è garantita da un dente integrato nel terminale, mentre la tenuta sulla controparte a scheda è garantita dal gancio di sicurezza del connettore. I connettori sono disponibili in materiali compatibili con il 'Glow Wire Test' secondo la Norma IEC 60335-1.

This connection system has pitch 5.00 housings and crimp contacts (sockets) with indirect mating to the printed circuit board. Housings have a polarizing system according to RAST standard and a secondary lock system to avoid accidental terminal release. Terminal retention into the housing is provided by the lance of the terminals, and the retention on the PCB wafer is granted by the housing safety lock.

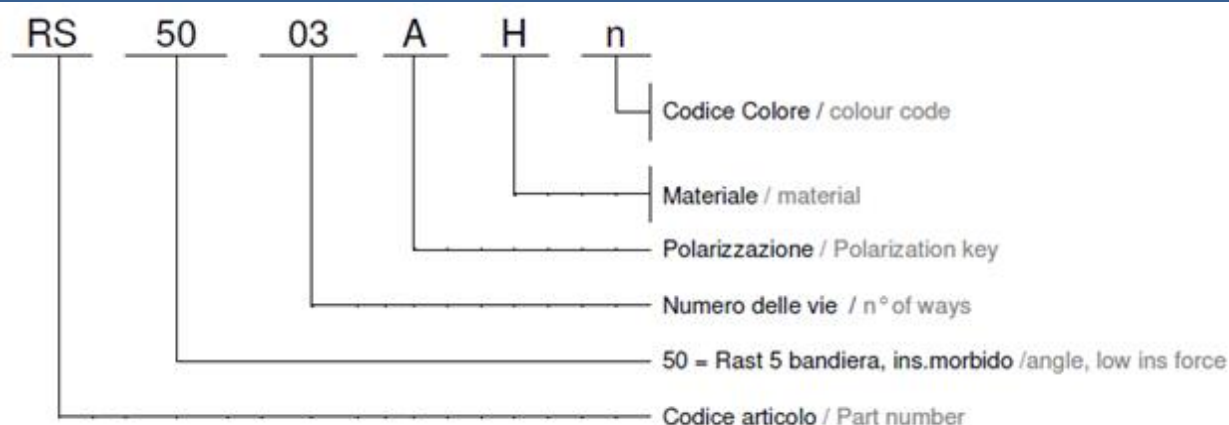
The connectors are available in materials compatible with the 'Glow Wire Test' according to the IEC 60335-1.



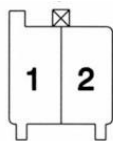
DIMENSIONI / Dimensions



IDENTIFICAZIONE CONNETTORI / Housings Name and Part Number



CHIAVE DI POLARIZZAZIONE / Polarization Key



Le polarizzazioni realizzate secondo lo schema Rast sono indicate con le lettere dalla A alla L. (vedi tabelle)
La lettera N indica l'assenza di polarizzazione. La lettera X indica la presenza di tutte le polarizzazioni.

Polarization key is indicated by the letters from A to L.

The letter N indicates the absence of polarization. The letter X indicates the presence of all polarization keys.

CARATTERISTICHE MATERIALI / Materials Specification

Connettori / Housings	PA66-V2, PA66-V0 Glow Wire capable (750°C No flame) according to Directive IEC 60335-1.
Terminali / Contacts	Brass or Phosphor Bronze with tin plating (Lead-Free).

CORRENTI E CAVI APPLICABILI / Ratings and Applicable Wires

Sezioni di cavo applicabili / Applicable wire	0,35-2,50 mm ² / 22-14 AWG
Tensione della corrente di lavoro / Rated voltage	250V AC/DC max
Portata di corrente / Rated current (max.)	20A 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



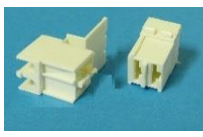
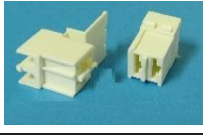
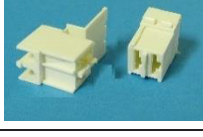
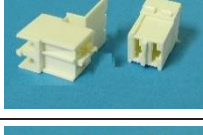
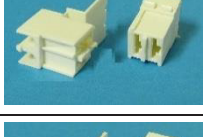
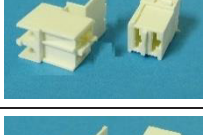
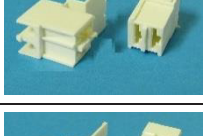
RoHS

REACH

TERMINALI / Terminals

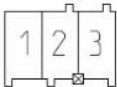
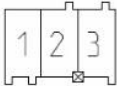
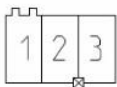
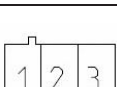
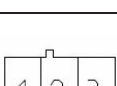
DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	19,5mm	TER638241	0,35-1,00	22-18	Ottone /Brass	---	---	3 x 2.000
		TER638242			Ottone /Brass	Stagnato /Tin plated	---	3 x 2.000
		TER638441	0,50-1,50	20-16	Ottone /Brass	---	---	3 x 2.000
		TER638442			Ottone /Brass	Stagnato /Tin plated	---	3 x 2.000
		TER638541	1,00-2,50	18-14	Ottone /Brass	---	---	3 x 2.000
		TER638542			Ottone /Brass	Stagnato /Tin plated	---	3 x 2.000

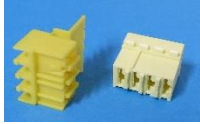
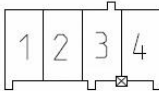
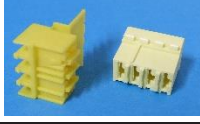
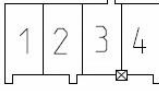
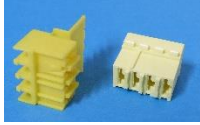
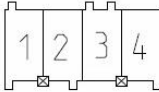
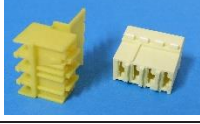
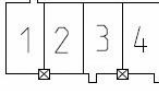
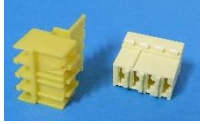
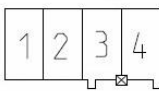
CONNETTORI / Connectors

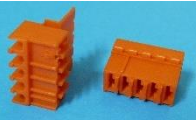
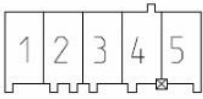
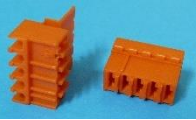
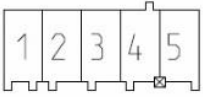
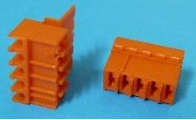
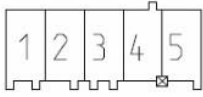
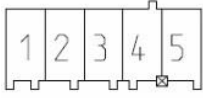
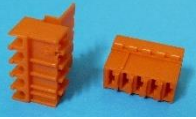
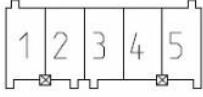
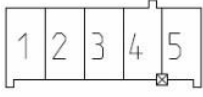
DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		RS5002A	PA66	V2	130	---	---	5.000
		RS5002AV0	PA66	V0	140	---		
		RS5002AH	PA6	V2	130	750°C noflame		
		RS5002AZ	PA66	V0	140	750°C noflame		
		RS5002B	PA66	V2	130	---	---	5.000
		RS5002BV0	PA66	V0	140	---		
		RS5002BH	PA6	V2	130	750°C noflame		
		RS5002BZ	PA66	V0	140	750°C noflame		
		RS5002C	PA66	V2	130	---	---	5.000
		RS5002CV0	PA66	V0	140	---		
		RS5002CH	PA6	V2	130	750°C noflame		
		RS5002CZ	PA66	V0	140	750°C noflame		
		RS5002D	PA66	V2	130	---	---	5.000
		RS5002DV0	PA66	V0	140	---		
		RS5002DH	PA6	V2	130	750°C noflame		
		RS5002DZ	PA66	V0	140	750°C noflame		
		RS5002E	PA66	V2	130	---	---	5.000
		RS5002EV0	PA66	V0	140	---		
		RS5002EH	PA6	V2	130	750°C noflame		
		RS5002EZ	PA66	V0	140	750°C noflame		
		RS5002F	PA66	V2	130	---	---	5.000
		RS5002FV0	PA66	V0	140	---		
		RS5002FH	PA6	V2	130	750°C noflame		
		RS5002FZ	PA66	V0	140	750°C noflame		
		RS5002G	PA66	V2	130	---	---	5.000
		RS5002GV0	PA66	V0	140	---		
		RS5002GH	PA6	V2	130	750°C noflame		
		RS5002GZ	PA66	V0	140	750°C noflame		
		RS5002L	PA66	V2	130	---	---	5.000
		RS5002LV0	PA66	V0	140	---		
		RS5002LH	PA6	V2	130	750°C noflame		
		RS5002LZ	PA66	V0	140	750°C noflame		
		RS5002M	PA66	V2	130	---	---	5.000
		RS5002MV0	PA66	V0	140	---		
		RS5002MH	PA6	V2	130	750°C noflame		
		RS5002MZ	PA66	V0	140	750°C noflame		

Le dimensioni sono in millimetri, salvo diversamente specificato.
Dimensions are in millimeters unless otherwise specified.
REV. 2025-1

Le quote dimensionali riportate sono solo di riferimento. Le specifiche sono soggette a cambiamenti. Dimensions are shown for reference purposes only. Specifications are subject to change.

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		RS5003A	PA66	V2	130	---	---	2.500
		RS5003AV0	PA66	V0	140	---		
		RS5003AH	PA6	V2	130	750°C noflame		
		RS5003AZ	PA66	V0	140	750°C noflame		
		RS5003B	PA66	V2	130	---	---	2.500
		RS5003BV0	PA66	V0	140	---		
		RS5003BH	PA6	V2	130	750°C noflame		
		RS5003BZ	PA66	V0	140	750°C noflame		
		RS5003C	PA66	V2	130	---	---	2.500
		RS5003CV0	PA66	V0	140	---		
		RS5003CH	PA6	V2	130	750°C noflame		
		RS5003CZ	PA66	V0	140	750°C noflame		
		RS5003D	PA66	V2	130	---	---	2.500
		RS5003DV0	PA66	V0	140	---		
		RS5003DH	PA6	V2	130	750°C noflame		
		RS5003DZ	PA66	V0	140	750°C noflame		
		RS5003E	PA66	V2	130	---	---	2.500
		RS5003EV0	PA66	V0	140	---		
		RS5003EH	PA6	V2	130	750°C noflame		
		RS5003EZ	PA66	V0	140	750°C noflame		
		RS5003F	PA66	V2	130	---	---	2.500
		RS5003FV0	PA66	V0	140	---		
		RS5003FH	PA6	V2	130	750°C noflame		
		RS5003FZ	PA66	V0	140	750°C noflame		
		RS5003G	PA66	V2	130	---	---	2.500
		RS5003GV0	PA66	V0	140	---		
		RS5003GH	PA6	V2	130	750°C noflame		
		RS5003GZ	PA66	V0	140	750°C noflame		
		RS5003L	PA66	V2	130	---	---	2.500
		RS5003LV0	PA66	V0	140	---		
		RS5003LH	PA6	V2	130	750°C noflame		
		RS5003LZ	PA66	V0	140	750°C noflame		
		RS5003M	PA66	V2	130	---	---	2.500
		RS5003MV0	PA66	V0	140	---		
		RS5003MH	PA6	V2	130	750°C noflame		
		RS5003MZ	PA66	V0	140	750°C noflame		

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
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		RS5004A	PA66	V2	130	---	---	2.500
		RS5004AV0	PA66	V0	140	---		
		RS5004AH	PA6	V2	130	750°C noflame		
		RS5004AZ	PA66	V0	140	750°C noflame		
		RS5004B	PA66	V2	130	---	---	2.500
		RS5004BV0	PA66	V0	140	---		
		RS5004BH	PA6	V2	130	750°C noflame		
		RS5004BZ	PA66	V0	140	750°C noflame		
		RS5004C	PA66	V2	130	---	---	2.500
		RS5004CV0	PA66	V0	140	---		
		RS5004CH	PA6	V2	130	750°C noflame		
		RS5004CZ	PA66	V0	140	750°C noflame		
		RS5004D	PA66	V2	130	---	---	2.500
		RS5004DV0	PA66	V0	140	---		
		RS5004DH	PA6	V2	130	750°C noflame		
		RS5004DZ	PA66	V0	140	750°C noflame		
		RS5004E	PA66	V2	130	---	---	2.500
		RS5004EV0	PA66	V0	140	---		
		RS5004EH	PA6	V2	130	750°C noflame		
		RS5004EZ	PA66	V0	140	750°C noflame		
		RS5004F	PA66	V2	130	---	---	2.500
		RS5004FV0	PA66	V0	140	---		
		RS5004FH	PA6	V2	130	750°C noflame		
		RS5004FZ	PA66	V0	140	750°C noflame		

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
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		RS5005AV0	PA66	V0	140	---		
		RS5005AH	PA6	V2	130	750°C noflame		
		RS5005AZ	PA66	V0	140	750°C noflame		
		RS5005B	PA66	V2	130	---	---	2.500
		RS5005BV0	PA66	V0	140	---		
		RS5005BH	PA6	V2	130	750°C noflame		
		RS5005BZ	PA66	V0	140	750°C noflame		
		RS5005C	PA66	V2	130	---	---	2.500
		RS5005CV0	PA66	V0	140	---		
		RS5005CH	PA6	V2	130	750°C noflame		
		RS5005CZ	PA66	V0	140	750°C noflame		
		RS5005D	PA66	V2	130	---	---	2.500
		RS5005DV0	PA66	V0	140	---		
		RS5005DH	PA6	V2	130	750°C noflame		
		RS5005DZ	PA66	V0	140	750°C noflame		
		RS5005E	PA66	V2	130	---	---	2.500
		RS5005EV0	PA66	V0	140	---		
		RS5005EH	PA6	V2	130	750°C noflame		
		RS5005EZ	PA66	V0	140	750°C noflame		
		RS5005G	PA66	V2	130	---	---	2.500
		RS5005GV0	PA66	V0	140	---		
		RS5005GH	PA6	V2	130	750°C noflame		
		RS5005GZ	PA66	V0	140	750°C noflame		