

RS52 -RS53 - RS54 connectors

RAST 5 system connection

Passo 5.00mm – uscita cavo 180° e terminale LIF

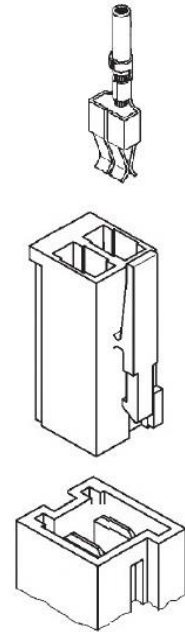
5.00mm centerline – wire exit 180° and LIF terminal

DESCRIZIONE / Overview

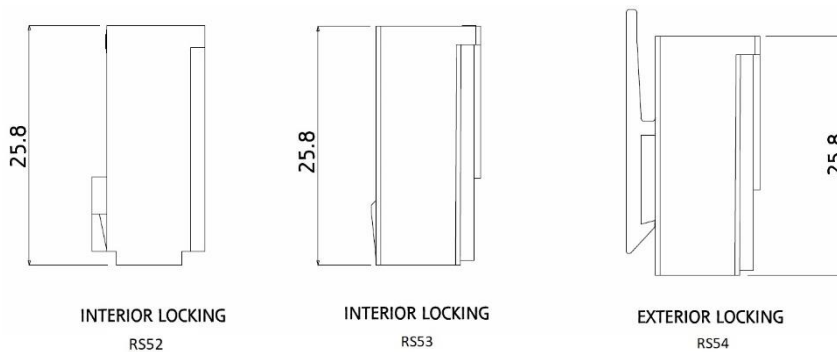
Questo tipo di connessione consiste in connettori multiviva passo 5.00mm e terminali femmina a crimpare ad inserimento morbido per connessione indiretta su scheda elettronica. I connettori hanno interfaccia con una chiave di polarizzazione secondo il sistema RAST. La tenuta del terminale nel connettore è garantita da un dente integrato nel terminale, mentre la tenuta sulla basetta 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 ed hanno applicazioni in cablaggi elettrici utilizzati nell'industria del piccolo e grande Elettrodomestico.

This connection system is a range of housings with pitch 5.00 and Low Insertion Force crimp contacts (sockets) with indirect mating to the printed circuit board. Housings have an interface with a polarizing key according to RAST system. Terminal retention into the housing is provided by the lance of the terminals, and the retention on the Pcb header is granted by the housing safety lock.

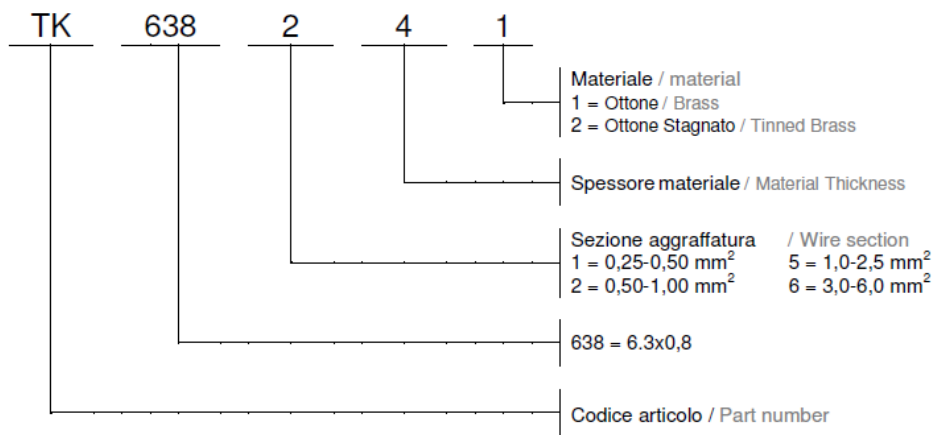
The connectors are available in materials compatible with the 'Glow Wire Test' according to the IEC 60335-1 and have applications in electrical wiring used in the small and large appliance.



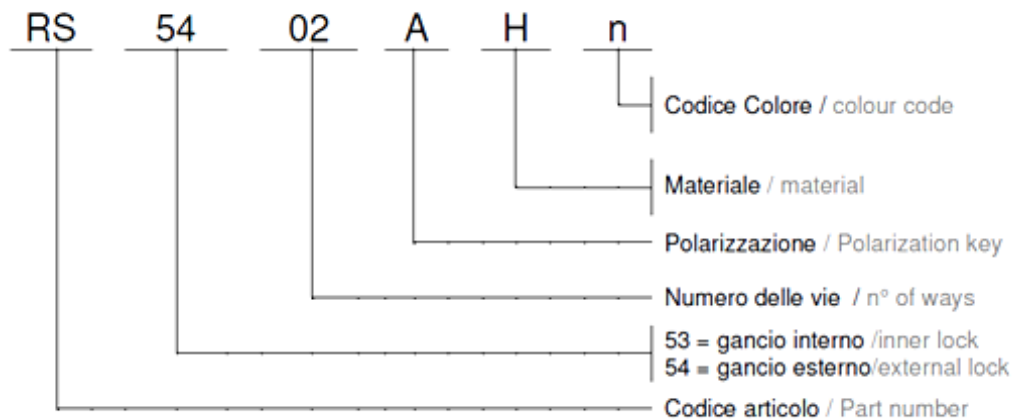
DIMENSIONI / Dimensions



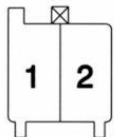
IDENTIFICAZIONE TERMINALI / Contacts Name and Part Number



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	0,50-2,50 mm ² / 20-13 AWG
Tensione della corrente di lavoro / Rated voltage	250V AC/DC max
Portata di corrente / Rated current (max.)	6 A max

CARATTERISTICHE ELETTRICHE / Electrical Specification


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

CERTIFICAZIONI SUL PRODOTTO / Product Approvals










AUTOCERTIFICAZIONI / Product Certification








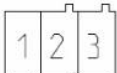






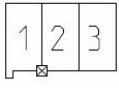
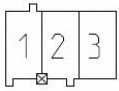
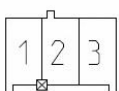

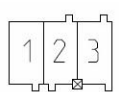
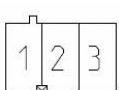
TERMINALI / Terminals

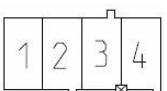
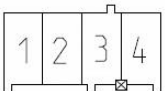
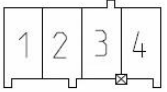
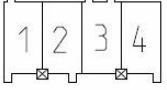
DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	15,9mm	TK638242	0,50-1,0	20-18	Br.Fosforoso Phosphor Br.	Stagnato Tin plated	---	5 x 2.500
		TK638542	1,00-2,50	18-14	Br.Fosforoso Phosphor Br.	Stagnato Tin plated	---	5 x 2.000



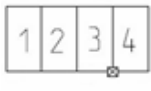
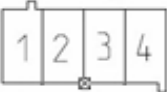




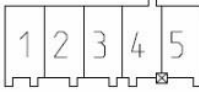




CONNESSIONE CON GANCIO INTERNO / Connectors with interior lock











DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		RS5202A	PA66	V2	130	---	---	5.000
		RS5202AV0	PA66	V0	140	---		
		RS5202AH	PA6	V2	130	750°C noflame		
		RS5202AZ	PA66	V0	140	750°C noflame		
		RS5202B	PA66	V2	130	---	---	5.000
		RS5202BV0	PA66	V0	140	---		
		RS5202BH	PA6	V2	130	750°C noflame		
		RS5202BZ	PA66	V0	140	750°C noflame		
		RS5202C	PA66	V2	130	---	---	5.000
		RS5202CV0	PA66	V0	140	---		
		RS5202CH	PA6	V2	130	750°C noflame		
		RS5202CZ	PA66	V0	140	750°C noflame		
		RS5202D	PA66	V2	130	---	---	5.000
		RS5202DV0	PA66	V0	140	---		
		RS5202DH	PA6	V2	130	750°C noflame		
		RS5202DZ	PA66	V0	140	750°C noflame		
		RS5202E	PA66	V2	130	---	---	5.000
		RS5202EV0	PA66	V0	140	---		
		RS5202EH	PA6	V2	130	750°C noflame		
		RS5202EZ	PA66	V0	140	750°C noflame		
		RS5202F	PA66	V2	130	---	---	5.000
		RS5202FV0	PA66	V0	140	---		
		RS5202FH	PA6	V2	130	750°C noflame		
		RS5202FZ	PA66	V0	140	750°C noflame		
		RS5202G	PA66	V2	130	---	---	5.000
		RS5202GV0	PA66	V0	140	---		
		RS5202GH	PA6	V2	130	750°C noflame		
		RS5202GZ	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		
		RS5202M	PA66	V2	130	---	---	5.000
		RS5202MV0	PA66	V0	140	---		
		RS5202MH	PA6	V2	130	750°C noflame		
		RS5202MZ	PA66	V0	140	750°C noflame		

	RS5202N	PA66	V2	130	---	---	5.000
	RS5202NV0	PA66	V0	140	---		
	RS5202NH	PA6	V2	130	750°C noflame		
	RS5202NZ	PA66	V0	140	750°C noflame		
	RS5202P	PA66	V2	130	---	---	5.000
	RS5202PV0	PA66	V0	140	---		
	RS5202PH	PA6	V2	130	750°C noflame		
	RS5202PZ	PA66	V0	140	750°C noflame		
	RS5202Q	PA66	V2	130	---	---	5.000
	RS5202QV0	PA66	V0	140	---		
	RS5202QH	PA6	V2	130	750°C noflame		
	RS5202QZ	PA66	V0	140	750°C noflame		
	RS5202R	PA66	V2	130	---	---	5.000
	RS5202RV0	PA66	V0	140	---		
	RS5202RH	PA6	V2	130	750°C noflame		
	RS5202RZ	PA66	V0	140	750°C noflame		
	RS5202S	PA66	V2	130	---	---	5.000
	RS5202SV0	PA66	V0	140	---		
	RS5202SH	PA6	V2	130	750°C noflame		
	RS5202SZ	PA66	V0	140	750°C noflame		
	RS5202WV0	PA66	V0	140	---		
	RS5202WH	PA6	V2	130	750°C noflame		
	RS5202WZ	PA66	V0	140	750°C noflame		
	RS5002X	PA66	V2	130	---	---	5.000
	RS5002XV0	PA66	V0	140	---		
	RS5002XH	PA6	V2	130	750°C noflame		
	RS5002XZ	PA66	V0	140	750°C noflame		
	RS5203A	PA66	V2	130	---	---	5.000
	RS5203AV0	PA66	V0	140	---		
	RS5203AH	PA6	V2	130	750°C noflame		
	RS5203AZ	PA66	V0	140	750°C noflame		
	RS5203B	PA66	V2	130	---	---	5.000
	RS5203BV0	PA66	V0	140	---		
	RS5203BH	PA6	V2	130	750°C noflame		
	RS5203BZ	PA66	V0	140	750°C noflame		
	RS5203C	PA66	V2	130	---	---	5.000
	RS5203CV0	PA66	V0	140	---		
	RS5203CH	PA6	V2	130	750°C noflame		
	RS5203CZ	PA66	V0	140	750°C noflame		
	RS5203D	PA66	V2	130	---	---	5.000
	RS5203DV0	PA66	V0	140	---		
	RS5203DH	PA6	V2	130	750°C noflame		
	RS5203DZ	PA66	V0	140	750°C noflame		
	RS5203E	PA66	V2	130	---	---	5.000
	RS5203EV0	PA66	V0	140	---		
	RS5203EH	PA6	V2	130	750°C noflame		
	RS5203EZ	PA66	V0	140	750°C noflame		


	RS5203F	PA66	V2	130	---	---	5.000
	RS5203FV0	PA66	V0	140	---		
	RS5203FH	PA6	V2	130	750°C noflame		
	RS5203FZ	PA66	V0	140	750°C noflame		
	RS5203G	PA66	V2	130	---	---	5.000
	RS5203GV0	PA66	V0	140	---		
	RS5203GH	PA6	V2	130	750°C noflame		
	RS5203GZ	PA66	V0	140	750°C noflame		
	RS5203L	PA66	V2	130	---	---	5.000
	RS5203LV0	PA66	V0	140	---		
	RS5203LH	PA6	V2	130	750°C noflame		
	RS5203LZ	PA66	V0	140	750°C noflame		
	RS5203M	PA66	V2	130	---	---	5.000
	RS5203MV0	PA66	V0	140	---		
	RS5203MH	PA6	V2	130	750°C noflame		
	RS5203MZ	PA66	V0	140	750°C noflame		
	RS5203N	PA66	V2	130	---	---	5.000
	RS5203NV0	PA66	V0	140	---		
	RS5203NH	PA6	V2	130	750°C noflame		
	RS5203NZ	PA66	V0	140	750°C noflame		
	RS5203P	PA66	V2	130	---	---	5.000
	RS5203PV0	PA66	V0	140	---		
	RS5203PH	PA6	V2	130	750°C noflame		
	RS5203PZ	PA66	V0	140	750°C noflame		
	RS5203Q	PA66	V2	130	---	---	5.000
	RS5203QV0	PA66	V0	140	---		
	RS5203QH	PA6	V2	130	750°C noflame		
	RS5203QZ	PA66	V0	140	750°C noflame		

	RS5204A	PA66	V2	130	---	---	2.500
	RS5204AV0	PA66	V0	140	---		
	RS5204AH	PA6	V2	130	750°C noflame		
	RS5204AZ	PA66	V0	140	750°C noflame		
	RS5204B	PA66	V2	130	---	---	2.500
	RS5204BV0	PA66	V0	140	---		
	RS5204BH	PA6	V2	130	750°C noflame		
	RS5204BZ	PA66	V0	140	750°C noflame		
	RS5204C	PA66	V2	130	---	---	2.500
	RS5204CV0	PA66	V0	140	---		
	RS5204CH	PA6	V2	130	750°C noflame		
	RS5204CZ	PA66	V0	140	750°C noflame		
	RS5204D	PA66	V2	130	---	---	2.500
	RS5204DV0	PA66	V0	140	---		
	RS5204DH	PA6	V2	130	750°C noflame		
	RS5204DZ	PA66	V0	140	750°C noflame		

	RS5204L	PA66	V2	130	---	---	2.500
	RS5204LV0	PA66	V0	140	---		
	RS5204LH	PA6	V2	130	750°C noflame		
	RS5204LZ	PA66	V0	140	750°C noflame		
	RS5204M	PA66	V2	130	---	---	2.500
	RS5204MV0	PA66	V0	140	---		
	RS5204MH	PA6	V2	130	750°C noflame		
	RS5204MZ	PA66	V0	140	750°C noflame		
	RS5204N	PA66	V2	130	---	---	2.500
	RS5204NV0	PA66	V0	140	---		
	RS5204NH	PA6	V2	130	750°C noflame		
	RS5204NZ	PA66	V0	140	750°C noflame		
	RS5204P	PA66	V2	130	---	---	2.500
	RS5204PV0	PA66	V0	140	---		
	RS5204PH	PA6	V2	130	750°C noflame		
	RS5204PZ	PA66	V0	140	750°C noflame		
	RS5204Q	PA66	V2	130	---	---	2.500
	RS5204QV0	PA66	V0	140	---		
	RS5204QH	PA6	V2	130	750°C noflame		
	RS5204QZ	PA66	V0	140	750°C noflame		
	RS5205A	PA66	V2	130	---	---	2.500
	RS5205AV0	PA66	V0	140	---		
	RS5205AH	PA6	V2	130	750°C noflame		
	RS5205AZ	PA66	V0	140	750°C noflame		
	RS5205B	PA66	V2	130	---	---	2.500
	RS5205BV0	PA66	V0	140	---		
	RS5205BH	PA6	V2	130	750°C noflame		
	RS5205BZ	PA66	V0	140	750°C noflame		
	RS5205C	PA66	V2	130	---	---	2.500
	RS5205CV0	PA66	V0	140	---		
	RS5205CH	PA6	V2	130	750°C noflame		
	RS5205CZ	PA66	V0	140	750°C noflame		
	RS5205D	PA66	V2	130	---	---	2.500
	RS5205DV0	PA66	V0	140	---		
	RS5205DH	PA6	V2	130	750°C noflame		
	RS5205DZ	PA66	V0	140	750°C noflame		
	RS5206G	PA66	V2	130	---	---	2.500
	RS5206GV0	PA66	V0	140	---		
	RS5206GH	PA6	V2	130	750°C noflame		
	RS5206G	PA66	V2	130	---	---	2.500
	RS5206GV0	PA66	V0	140	---		
	RS5206GH	PA6	V2	130	750°C noflame		
	RS5206GZ	PA66	V0	140	750°C noflame		
	RS5206L	PA66	V2	130	---	---	2.500
	RS5206LV0	PA66	V0	140	---		
	RS5206LH	PA6	V2	130	750°C noflame		
	RS5206LZ	PA66	V0	140	750°C noflame		
	RS5206M	PA66	V2	130	---	---	2.500
	RS5206MV0	PA66	V0	140	---		













	RS5206MH	PA6	V2	130	750°C noflame		
	RS5206MZ	PA66	V0	140	750°C noflame		
	RS5206N	PA66	V2	130	---	---	2.500
	RS5206NV0	PA66	V0	140	---		
	RS5206NH	PA6	V2	130	750°C noflame		
	RS5206NZ	PA66	V0	140	750°C noflame		
	RS5206P	PA66	V2	130	---	---	2.500
	RS5206PV0	PA66	V0	140	---		
	RS5206PH	PA6	V2	130	750°C noflame		
	RS5206PZ	PA66	V0	140	750°C noflame		
	RS5207A	PA66	V2	130	---	---	2.500
	RS5207AV0	PA66	V0	140	---		
	RS5207AH	PA6	V2	130	750°C noflame		
	RS5207AZ	PA66	V0	140	750°C noflame		
	RS5208A	PA66	V2	130	---	---	2.500
	RS5208AV0	PA66	V0	140	---		
	RS5208AH	PA6	V2	130	750°C noflame		
	RS5208AZ	PA66	V0	140	750°C noflame		
	RS5208B	PA66	V2	130	---	---	2.500
	RS5208BV0	PA66	V0	140	---		
	RS5208BH	PA6	V2	130	750°C noflame		
	RS5208BZ	PA66	V0	140	750°C noflame		
	RS5208C	PA66	V2	130	---	---	2.500
	RS5208CV0	PA66	V0	140	---		
	RS5208CH	PA6	V2	130	750°C noflame		
	RS5208CZ	PA66	V0	140	750°C noflame		
	RS5209A	PA66	V2	130	---	---	2.500
	RS5209AV0	PA66	V0	140	---		
	RS5209AH	PA6	V2	130	750°C noflame		
	RS5209AZ	PA66	V0	140	750°C noflame		
	RS5210A	PA66	V2	130	---	---	2.500
	RS5210AV0	PA66	V0	140	---		
	RS5210AH	PA6	V2	130	750°C noflame		
	RS5210AZ	PA66	V0	140	750°C noflame		
	RS5210B	PA66	V2	130	---	---	2.500
	RS5210BV0	PA66	V0	140	---		
	RS5210BH	PA6	V2	130	750°C noflame		
	RS5210BZ	PA66	V0	140	750°C noflame		

TERMINALI / Terminals


DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	15,9mm	TK638242	0,50-1,00	20-17	Br.Fosforoso Phosphor Br.	Stagnato Tin plated	---	5 x 2.500
		TK638542	1,00-2,50	17-13	Br.Fosforoso Phosphor Br.	Stagnato Tin plated	---	5 x 2.000

CONNESSIONE CON GANCIO INTERNO / Connectors with interior lock














DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		RS5302A	PA66	V2	130	---	---	5.000
		RS5302AV0	PA66	V0	140	---		
		RS5302AH	PA6	V2	130	750°C noflame		
		RS5302AZ	PA66	V0	140	750°C noflame		
		RS5302B	PA66	V2	130	---	---	5.000
		RS5302BV0	PA66	V0	140	---		
		RS5302BH	PA6	V2	130	750°C noflame		
		RS5302BZ	PA66	V0	140	750°C noflame		
		RS5302C	PA66	V2	130	---	---	5.000
		RS5302CV0	PA66	V0	140	---		
		RS5302CH	PA6	V2	130	750°C noflame		
		RS5302CZ	PA66	V0	140	750°C noflame		
		RS5302D	PA66	V2	130	---	---	5.000
		RS5302DV0	PA66	V0	140	---		
		RS5302DH	PA6	V2	130	750°C noflame		
		RS5302DZ	PA66	V0	140	750°C noflame		
		RS5302E	PA66	V2	130	---	---	5.000
		RS5302EV0	PA66	V0	140	---		
		RS5302EH	PA6	V2	130	750°C noflame		
		RS5302EZ	PA66	V0	140	750°C noflame		
		RS5302F	PA66	V2	130	---	---	5.000
		RS5302FV0	PA66	V0	140	---		
		RS5302FH	PA6	V2	130	750°C noflame		
		RS5302FZ	PA66	V0	140	750°C noflame		
		RS5302G	PA66	V2	130	---	---	5.000
		RS5302GV0	PA66	V0	140	---		
		RS5302GH	PA6	V2	130	750°C noflame		
		RS5302GZ	PA66	V0	140	750°C noflame		
		RS5302L	PA66	V2	130	---	---	5.000
		RS5302LV0	PA66	V0	140	---		
		RS5302LH	PA6	V2	130	750°C noflame		
		RS5302LZ	PA66	V0	140	750°C noflame		

		RS5302M	PA66	V2	130	---	---	5.000
		RS5302MV0	PA66	V0	140	---		
		RS5302MH	PA6	V2	130	750°C noflame		
		RS5302MZ	PA66	V0	140	750°C noflame		
		RS5302N	PA66	V2	130	---	---	5.000
		RS5302NV0	PA66	V0	140	---		
		RS5302NH	PA6	V2	130	750°C noflame		
		RS5302NZ	PA66	V0	140	750°C noflame		
		RS5302P	PA66	V2	130	---	---	5.000
		RS5302PV0	PA66	V0	140	---		
		RS5302PH	PA6	V2	130	750°C noflame		
		RS5302PZ	PA66	V0	140	750°C noflame		
		RS5302Q	PA66	V2	130	---	---	5.000
		RS5302QV0	PA66	V0	140	---		
		RS5302QH	PA6	V2	130	750°C noflame		
		RS5302QZ	PA66	V0	140	750°C noflame		
		RS5302R	PA66	V2	130	---	---	5.000
		RS5302RV0	PA66	V0	140	---		
		RS5302RH	PA6	V2	130	750°C noflame		
		RS5302RZ	PA66	V0	140	750°C noflame		
		RS5302S	PA66	V2	130	---	---	5.000
		RS5302SV0	PA66	V0	140	---		
		RS5302SH	PA6	V2	130	750°C noflame		
		RS5302SZ	PA66	V0	140	750°C noflame		

TERMINALI / Terminals

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	15,9mm	TK638242	0,50-1,00	20-17	Br.Fosforoso Phosphor Br.	Stagnato Tin plated	---	5 x 2.500
		TK638542	1,00-2,50	17-13	Br.Fosforoso Phosphor Br.	Stagnato Tin plated	---	5 x 2.000

CONNESSIONE CON GANCIO ESTERNO / Connectors with exterior lock

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		RS5402A	PA66	V2	130	---	---	5.000
		RS5402AV0	PA66	V0	140	---		
		RS5402AH	PA6	V2	130	750°C noflame		
		RS5402AZ	PA66	V0	140	750°C noflame		
		RS5402B	PA66	V2	130	---	---	5.000
		RS5402BV0	PA66	V0	140	---		
		RS5402BH	PA6	V2	130	750°C noflame		
		RS5402BZ	PA66	V0	140	750°C noflame		
		RS5402C	PA66	V2	130	---	---	5.000
		RS5402CV0	PA66	V0	140	---		
		RS5402CH	PA6	V2	130	750°C noflame		
		RS5402CZ	PA66	V0	140	750°C noflame		
		RS5402D	PA66	V2	130	---	---	5.000
		RS5402DV0	PA66	V0	140	---		
		RS5402DH	PA6	V2	130	750°C noflame		
		RS5402DZ	PA66	V0	140	750°C noflame		
		RS5402E	PA66	V2	130	---	---	5.000
		RS5402EV0	PA66	V0	140	---		
		RS5402EH	PA6	V2	130	750°C noflame		
		RS5402EZ	PA66	V0	140	750°C noflame		
		RS5402F	PA66	V2	130	---	---	5.000
		RS5402FV0	PA66	V0	140	---		
		RS5402FH	PA6	V2	130	750°C noflame		
		RS5402FZ	PA66	V0	140	750°C noflame		
		RS5402G	PA66	V2	130	---	---	5.000
		RS5402GV0	PA66	V0	140	---		
		RS5402GH	PA6	V2	130	750°C noflame		
		RS5402GZ	PA66	V0	140	750°C noflame		
		RS5402L	PA66	V2	130	---	---	5.000
		RS5402LV0	PA66	V0	140	---		
		RS5402LH	PA6	V2	130	750°C noflame		
		RS5402LZ	PA66	V0	140	750°C noflame		
		RS5402M	PA66	V2	130	---	---	5.000
		RS5402MV0	PA66	V0	140	---		
		RS5402MH	PA6	V2	130	750°C noflame		
		RS5402MZ	PA66	V0	140	750°C noflame		