

FT4 series



FT4 connector system Wire-to-Wire Connectors

Passo 4.20mm
Pitch 4.20 mm

DESCRIZIONE / Overview

Questo tipo di connessione con passo 4,20mm consiste in connettori multiviva su 1 o 2 file di contatti, la cui tenuta è garantita dai ganci integrati nel terminale. Inoltre i connettori maschio montano solamente contatti femmine e i connettori femmina montano solamente contatti maschi. Questo vincolo garantisce una maggiore sicurezza d'utilizzo.

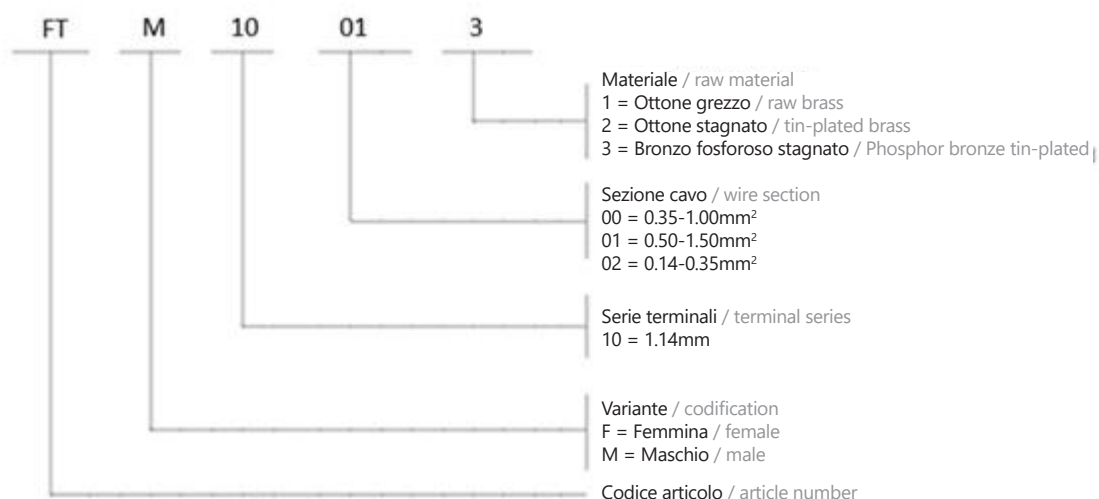
Inoltre i connettori femmina possono avere la predisposizione per il montaggio a pannello. Questo sistema di connessione trova applicazioni in cablaggi elettrici utilizzati nell'industria del piccolo e grande Elettrodomestico, sono utilizzabili con circuiti di alimentazione o con circuiti di segnale a bassa tensione, i connettori sono disponibili in materiali compatibili con il 'Glow Wire Test' secondo la Norma IEC60335-1 e/o in versioni conformi alla Norma UL94 con gradi di fiamma V2 e V0.

This connection system with pitch 4,20mm is a range of housings with single or double row plug and pin contacts. Contacts retention into the housing is provided by lances that are integrated in all contacts.

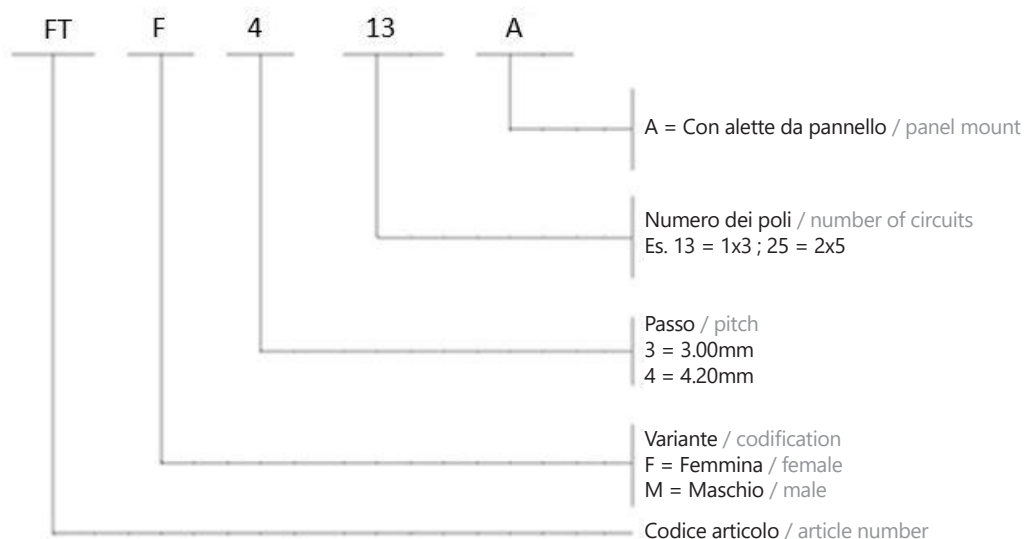
To avoid any mis-function during assembly, the male housings can only mate sockets and female housings can only mate pin terminals. Female housings may have the panel mount option.

This connection system can be used with low voltage, low current signal circuits and with power supply circuits and have applications in harness assemblies used in the Appliances industries. Connector housings are available in special Glow WireTest compatible material, according to the IEC 60335-1 and according to UL94 Specification with flame rate V2 or V0.

IDENTIFICAZIONE TERMINALI / Terminals Name and Part Number



IDENTIFICAZIONE CONNETTORI / Housings Name and Part Number



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	0,35-1,00 mm ² / 22-18 AWG
Tensione della corrente di lavoro / Rated voltage	600V AC/DC
Portata di corrente / Rated current (max.)	8A max
Resistenza del contatto / Contact resistance	12 mΩ min

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

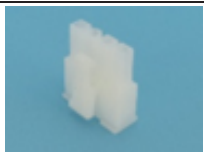


ECBT2.E490437
ECBT8.E490437

AUTOCERTIFICAZIONI / Product Certification



MASCHIO SINGOLA FILA / Single row-male

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	11.0mm	FTF10013	0,35-1,00	22-18	Ottone Brass	Stagnato Tinned		5 x 3.500
DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	1x3	FTM413	PA66	V2	130	---		2.000
		FTM413V0	PA66	V0	140	---		
		FTM413H	PA6	V2	130	750°C noflame		
		FTM413Z	PA66	V0	140	750°C noflame		
	1x4	FTM414	PA66	V2	130	---		2.000
		FTM414V0	PA66	V0	140	---		
		FTM414H	PA6	V2	130	750°C noflame		
		FTM414Z	PA66	V0	140	750°C noflame		
	1x5	FTM415	PA66	V2	130	---		2.000
		FTM415V0	PA66	V0	140	---		
		FTM415H	PA6	V2	130	750°C noflame		
		FTM415Z	PA66	V0	140	750°C noflame		

FEMMINA DA PANNELLO SINGOLA FILA / Single row female with Panel mounts

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	11.0mm	FTM10013	0,35-1,00	22-18	Ottone Brass	Stagnato Tinned		5 x 3.500

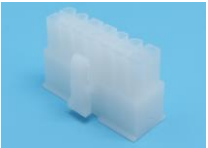
DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	1x3	FTF413A	PA66	V2	130	---		2.000
		FTF413AV0	PA66	V0	140	---		
		FTF413AH	PA6	V2	130	750°C noflame		
		FTF413AZ	PA66	V0	140	750°C noflame		
	1x4	FTF414A	PA66	V2	130	---		2.000
		FTF414AV0	PA66	V0	140	---		
		FTF414AH	PA6	V2	130	750°C noflame		
		FTF414AZ	PA66	V0	140	750°C noflame		
	1x5	FTF415A	PA66	V2	130	---		2.000
		FTF415AV0	PA66	V0	140	---		
		FTF415AH	PA6	V2	130	750°C noflame		
		FTF415AZ	PA66	V0	140	750°C noflame		

FEMMINA VOLANTE SINGOLA FILA / Single row female

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	11.0mm	FTM10013	0,35-1,00	22-18	Ottone Brass	Stagnato Tinned		5 x 3.500

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	1x3	FTF413	PA66	V2	130	---		2.000
		FTF413V0	PA66	V0	140	---		
		FTF413H	PA6	V2	130	750°C noflame		
		FTF413Z	PA66	V0	140	750°C noflame		
	1x4	FTF414	PA66	V2	130	---		2.000
		FTF414V0	PA66	V0	140	---		
		FTF414H	PA6	V2	130	750°C noflame		
		FTF414Z	PA66	V0	140	750°C noflame		
	1x5	FTF415	PA66	V2	130	---		2.000
		FTF415V0	PA66	V0	140	---		
		FTF415H	PA6	V2	130	750°C noflame		
		FTF415Z	PA66	V0	140	750°C noflame		

CONNESSIONE MASCHIO DOPPIA FILA / Double row-male connection

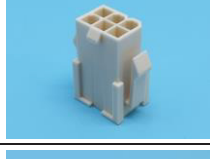
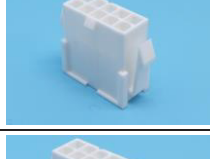
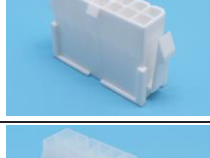
DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENT O Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	11.0mm	FTF10013	0,35-1,00	22-18	Ottone Brass	Stagnato Tinned		5 x 3.500
DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	2x1	FTM421	PA66	V2	130	---		2.000
		FTM421V0	PA66	V0	140	---		
		FTM421H	PA6	V2	130	750°C noflame		
		FTM421Z	PA66	V0	140	750°C noflame		
	2x2	FTM422	PA66	V2	130	---		2.000
		FTM422V0	PA66	V0	140	---		
		FTM422H	PA6	V2	130	750°C noflame		
		FTM422Z	PA66	V0	140	750°C noflame		
	2x3	FTM423	PA66	V2	130	---		2.000
		FTM423V0	PA66	V0	140	---		
		FTM423H	PA6	V2	130	750°C noflame		
		FTM423Z	PA66	V0	140	750°C noflame		
	2x4	FTM424	PA66	V2	130	---		2.000
		FTM424V0	PA66	V0	140	---		
		FTM424H	PA6	V2	130	750°C noflame		
		FTM424Z	PA66	V0	140	750°C noflame		
	2x5	FTM425	PA66	V2	130	---		2.000
		FTM425V0	PA66	V0	140	---		
		FTM425H	PA6	V2	130	750°C noflame		
		FTM425Z	PA66	V0	140	750°C noflame		
	2x7	FTM427	PA66	V2	130	---		2.000
		FTM427V0	PA66	V0	140	---		
		FTM427H	PA6	V2	130	750°C noflame		
		FTM427Z	PA66	V0	140	750°C noflame		
	2x8	FTM428	PA66	V2	130	---		2.000
		FTM428V0	PA66	V0	140	---		
		FTM428H	PA6	V2	130	750°C noflame		
		FTM428Z	PA66	V0	140	750°C noflame		
	2x10	FTM4210	PA66	V2	130	---		2.000
		FTM4210V0	PA66	V0	140	---		
		FTM4210H	PA6	V2	130	750°C noflame		
		FTM4210Z	PA66	V0	140	750°C noflame		

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 REV. 2025-1

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FEMMINA DA PANNELLO DOPPIA FILA / Double row female with Panel mounts

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	11.0mm	FTM10013	0,35-1,00	22-18	Ottone Brass	Stagnato Tinned		5 x 3.500

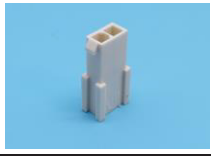
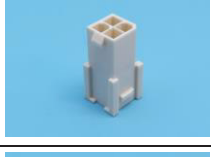
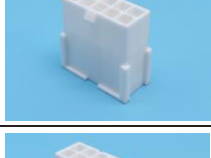
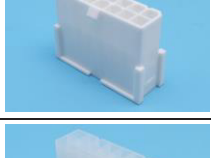
DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	2x1	FTF421A	PA66	V2	130	---		2.000
		FTF421AV0	PA66	V0	140	---		
		FTF421AH	PA6	V2	130	750°C noflame		
		FTF421AZ	PA66	V0	140	750°C noflame		
	2x2	FTF422A	PA66	V2	130	---		2.000
		FTF422AV0	PA66	V0	140	---		
		FTF422AH	PA6	V2	130	750°C noflame		
		FTF422AZ	PA66	V0	140	750°C noflame		
	2x3	FTF423A	PA66	V2	130	---		2.000
		FTF423AV0	PA66	V0	140	---		
		FTF423AH	PA6	V2	130	750°C noflame		
		FTF423AZ	PA66	V0	140	750°C noflame		
	2x4	FTF424A	PA66	V2	130	---		2.000
		FTF424AV0	PA66	V0	140	---		
		FTF424AH	PA6	V2	130	750°C noflame		
		FTF424AZ	PA66	V0	140	750°C noflame		
	2x5	FTF425A	PA66	V2	130	---		2.000
		FTF425AV0	PA66	V0	140	---		
		FTF425AH	PA6	V2	130	750°C noflame		
		FTF425AZ	PA66	V0	140	750°C noflame		
	2x7	FTF427A	PA66	V2	130	---		2.000
		FTF427AV0	PA66	V0	140	---		
		FTF427AH	PA6	V2	130	750°C noflame		
		FTF427AZ	PA66	V0	140	750°C noflame		
	2x8	FTF428A	PA66	V2	130	---		2.000
		FTF428AV0	PA66	V0	140	---		
		FTF428AH	PA6	V2	130	750°C noflame		
		FTF428AZ	PA66	V0	140	750°C noflame		
	2x10	FTF4210A	PA66	V2	130	---		2.000
		FTF4210AV0	PA66	V0	140	---		
		FTF4210AH	PA6	V2	130	750°C noflame		
		FTF4210AZ	PA66	V0	140	750°C noflame		

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FEMMINA VOLANTE DOPPIA FILA / Double row female

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section		MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
			mm ²	AWG				
	11.0mm	FTM10013	0,35-1,00	22-18	Ottone Brass	Stagnato Tinned		5 x 3.500

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
	2x1	FTF421	PA66	V2	130	---		2.000
		FTF421V0	PA66	V0	140	---		
		FTF421H	PA6	V2	130	750°C noflame		
		FTF421Z	PA66	V0	140	750°C noflame		
	2x2	FTF422	PA66	V2	130	---		2.000
		FTF422V0	PA66	V0	140	---		
		FTF422H	PA6	V2	130	750°C noflame		
		FTF422Z	PA66	V0	140	750°C noflame		
	2x3	FTF423	PA66	V2	130	---		2.000
		FTF423V0	PA66	V0	140	---		
		FTF423H	PA6	V2	130	750°C noflame		
		FTF423Z	PA66	V0	140	750°C noflame		
	2x4	FTF424	PA66	V2	130	---		2.000
		FTF424V0	PA66	V0	140	---		
		FTF424H	PA6	V2	130	750°C noflame		
		FTF424Z	PA66	V0	140	750°C noflame		
	2x5	FTF425	PA66	V2	130	---		2.000
		FTF425V0	PA66	V0	140	---		
		FTF425H	PA6	V2	130	750°C noflame		
		FTF425Z	PA66	V0	140	750°C noflame		
	2x7	FTF427	PA66	V2	130	---		2.000
		FTF427V0	PA66	V0	140	---		
		FTF427H	PA6	V2	130	750°C noflame		
		FTF427Z	PA66	V0	140	750°C noflame		
	2x8	FTF428	PA66	V2	130	---		2.000
		FTF428V0	PA66	V0	140	---		
		FTF428H	PA6	V2	130	750°C noflame		
		FTF428Z	PA66	V0	140	750°C noflame		
	2x10	FTF4210	PA66	V2	130	---		2.000
		FTF4210V0	PA66	V0	140	---		
		FTF4210H	PA6	V2	130	750°C noflame		
		FTF4210Z	PA66	V0	140	750°C noflame		

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