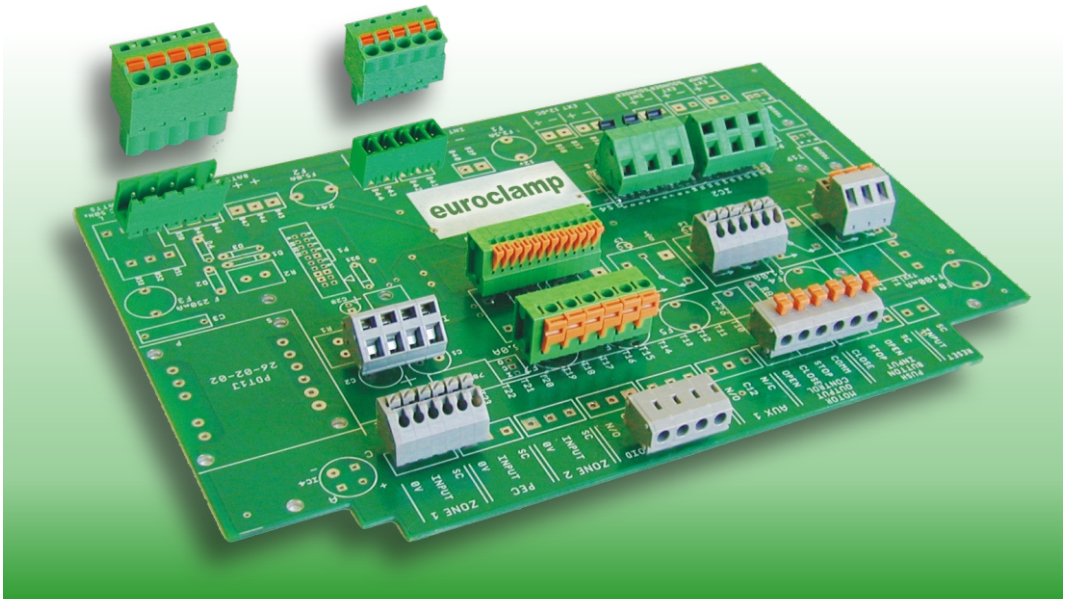
euroclamp



EDITION / EDIZIONE 2009 *rev. 1*

Spring terminal blocks
Morsettiere a molla

ISO 9001:2000
Certificate n.
9190.ASSE

ISO 14001:2004
Certificate n.
9191.ASSL

OHSAS 18001:1999
Certificate n.
9192.ASSL

For more information visit our official web site
Per maggiori informazioni visitate il nostro sito ufficiale
www.euroclamp.it (.eu)

euroclamp

Spring terminal blocks

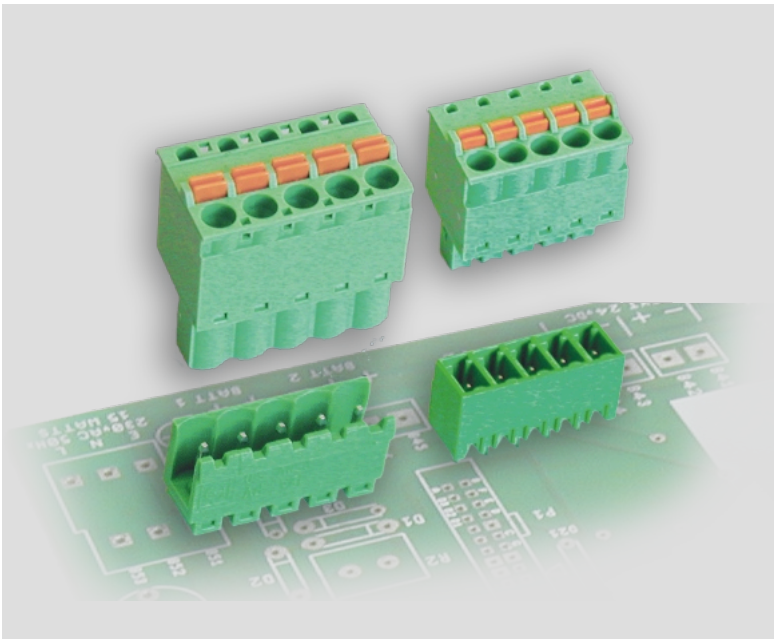
euroclamp propose a range of screwless terminal blocks, which are aligned with the market needs.
This category of terminal blocks is divided into two types of connection:

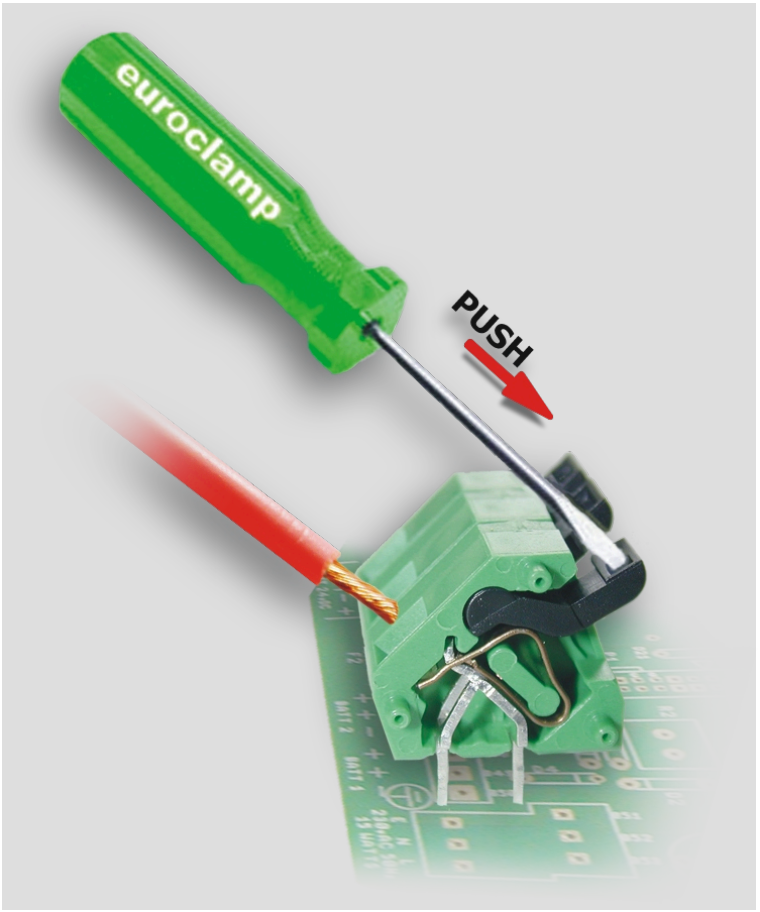
- spring-cage connection
- screwless with push-wire connection

Spring-cage connection, well known for decades, involves the activating of the connection system (spring) by an appropriate tool or by a specific push-button that is fully integrated into the body of the terminal block.

Push-wire connecting system allows the connection by pushing the wire (solid or stranded with a push rod) into the terminal block. Each terminal block is equipped with a lever: the connection and the disconnection of the stranded wire can be easily achieved by actuating the lever.

euroclamp offer different kinds of screwless terminal blocks: they have various pitches (2,5 mm and more), different wide wire sections, rated current and mounting position (horizontal, vertical or angled).
The wiring can be easier if the terminal blocks are consecutively numbered or printed as required: so the plastic body of the screwless terminal blocks has an appropriate surface for the marking.
All **euroclamp** screwless terminal blocks are designed according to main international requirements.





Morsettiere a molla

La gamma di morsettiere a molla offerta da "**euroclamp**" si allinea a quanto richiesto oggi dal mercato.
Per questa categoria di morsettiere esistono due tipologie principali di connessione:

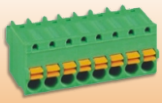
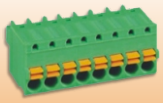
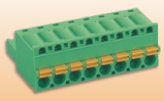
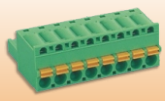
- Con molla a gabbia
- Con molla a pressione

La molla a gabbia, ormai diffusa da decenni, comporta l'azionamento del dispositivo di connessione (molla) tramite apposito utensile o specifico pulsantino integrato nella morsettiera.

La molla a pressione permette la connessione diretta di un cavo rigido o flessibile con capocorda, esercitando una pressione (spinta) del cavo sulla molleta di connessione. La connessione di un cavo flessibile o la disconnessione del dispositivo sono possibili con l'ausilio dell'apposita levetta di cui ogni via della morsettiera è dotata.

euroclamp propone diverse tipologie di morsettiere a molla che si differenziano per il passo (da 2,5 in poi), per la capacità di connessione, per la portata di corrente, per la soluzione di connessione (verticale, orizzontale, obliqua).
Apposite zone previste sul corpo isolante permettono una facile siglatura, per una immediata individuazione della via in fase di cablaggio.

PLUG-IN CONNECTORS / CONNETTORI

		SHM 	SHM 	SHM-K	SHM-K	SHM 	SHM 
WIRE SECTION	CONDUTTORE CONNETTIBILE	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)	2,5mm² (14AWG)	2,5mm² (14AWG)
PITCH	PASSO	**3,5mm**	**3,81mm**	**3,5mm**	**3,81mm**	**5mm**	**5,08mm**
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	H	H	H	H	H	H
NR. POLES	NR. POLI	02÷24	02÷24	02÷20	02÷20	02÷16	02÷16
RATED CURRENT	CORRENTE NOMINALE	8A	8A	8A	8A	10A	10A
RATED VOLTAGE	TENSIONE NOMINALE	300V	300V	300V	300V	300V	300V
TEST VOLTAGE	TENSIONE DI PROVA	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2,5 kVrms/60s	2,5 kVrms/60s
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	-	-	-	-	-	-
BUTTON	PULSANTE	O	O	O	O	O	O

		SHM-K	SHM-K				
WIRE SECTION	CONDUTTORE CONNETTIBILE	2,5mm² (14AWG)	2,5mm² (14AWG)				
PITCH	PASSO	**5mm**	**5,08mm**				
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	H	H				
NR. POLES	NR. POLI	02÷16	02÷16				
RATED CURRENT	CORRENTE NOMINALE	10A	10A				
RATED VOLTAGE	TENSIONE NOMINALE	300V	300V				
TEST VOLTAGE	TENSIONE DI PROVA	2,5 kVrms/60s	2,5 kVrms/60s				
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	-	-				
BUTTON	PULSANTE	O	O				

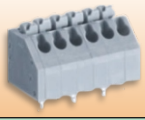
WIRE SECTION	CONDUTTORE CONNETTIBILE						
PITCH	PASSO						
MOUNTING POSITION	POSIZIONE DI MONTAGGIO						
NR. POLES	NR. POLI						
RATED CURRENT	CORRENTE NOMINALE						
RATED VOLTAGE	TENSIONE NOMINALE						
TEST VOLTAGE	TENSIONE DI PROVA						
PCB HOLES DIAMETER	DIAMETRO FORI C.S.						
BUTTON	PULSANTE						

V= Vertical - Verticale
H= Horizontal - Orizzontale

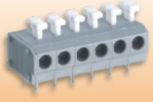
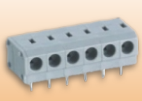
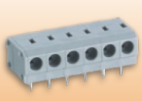
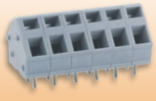
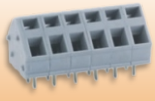
O= With button - Pulsante presente
X= No button - Pulsante assente

RoHS Conform

TERMINAL BLOCKS / MORSETTIERE

		MPE1-C	MPE1-D	MPS1-V	MPS1-H	MPE1-C	MPE1-D 
WIRE SECTION	CONDUTTORE CONNETTIBILE	0,5mm² (20AWG)	0,5mm² (20AWG)	0,5mm² (20AWG)	0,5mm² (20AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)
PITCH	PASSO	**2,5mm**	**2,5mm**	**2,54mm**	**2,54mm**	**3,5mm**	**3,5mm**
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	V	V	V	H	V	V
NR. POLES	NR. POLI	02÷N.	02÷N.	01÷N.	01÷N.	02÷N.	02÷N.
RATED CURRENT	CORRENTE NOMINALE	2A	2A	2A	2A	2A	2A
RATED VOLTAGE	TENSIONE NOMINALE	300V	300V	150V	150V	250V	250V
TEST VOLTAGE	TENSIONE DI PROVA	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	min. Ø1,2mm	min. Ø1,2mm	min. Ø1mm	min. Ø1mm	min. Ø1,2mm	min. Ø1,2mm
BUTTON	PULSANTE	O	O	O	O	O	O

		MPE1-A	MVEM50	MPE1	MPS2-V	MPS2-H	MPE2-P
WIRE SECTION	CONDUTTORE CONNETTIBILE	1,5mm² (16AWG)	0,75mm² (18AWG)	1,5mm² (16AWG)	2,5mm² (14AWG)	2,5mm² (14AWG)	2,5mm² (14AWG)
PITCH	PASSO	**3,5mm**	**5mm**	**5,08mm**	**5,08mm**	**5,08mm**	**5mm**
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	V	V	V	V	H	V
NR. POLES	NR. POLI	02÷N.	02÷N.	02÷24	1÷N.	1÷N.	1÷N.
RATED CURRENT	CORRENTE NOMINALE	2A	10A	12A	10A	10A	10A
RATED VOLTAGE	TENSIONE NOMINALE	250V	250V	250V	300V	300V	300V
TEST VOLTAGE	TENSIONE DI PROVA	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	min. Ø1,2mm	min. Ø1,3mm	min. Ø1,2mm	min. Ø1,2mm	min. Ø1,2mm	min. Ø1,2mm
BUTTON	PULSANTE	O	O	O	O	O	O

		MPE2-P 	MPE2 	MPE2 	MGS2 	MGS2 	MG1
WIRE SECTION	CONDUTTORE CONNETTIBILE	2,5mm² (14AWG)	2,5mm² (14AWG)	2,5mm² (14AWG)	2,5mm² (14AWG)	2,5mm² (14AWG)	1,5mm² (16AWG)
PITCH	PASSO	**5,08mm**	**5mm**	**5,08mm**	**5mm**	**5,08mm**	**5mm**
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	V	V	V	V	V	V
NR. POLES	NR. POLI	1÷N.	1÷N.	1÷N.	1÷N.	1÷N.	1÷N.
RATED CURRENT	CORRENTE NOMINALE	10A	10A	10A	10A	10A	16A
RATED VOLTAGE	TENSIONE NOMINALE	300V	300V	300V	300V	300V	250V
TEST VOLTAGE	TENSIONE DI PROVA	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	min. Ø1,2mm	min. Ø1,2mm	min. Ø1,2mm	min. Ø1,2mm	min. Ø1,2mm	min. Ø1,4mm
BUTTON	PULSANTE	O	X	X	X	X	X

V= Vertical - Verticale
H= Horizontal - Orizzontale

O= With button - Pulsante presente
X= No button - Pulsante assente

RoHS Conform

TERMINAL BLOCKS / MORSETTIERE

		MG1	MG1-P	MG1-P	Developing MG1D	Developing MG1T	Developing MG1Q
WIRE SECTION	CONDUTTORE CONNETTIBILE	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)
PITCH	PASSO	**5,08mm**	**5mm**	**5,08mm**	**5,08mm**	**5,08mm**	**5,08mm**
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	V	V	V	V	V	V
NR. POLES	NR. POLI	1÷N.	1÷N.	1÷N.	1÷N.	1÷N.	1÷N.
RATED CURRENT	CORRENTE NOMINALE	16A	16A	16A	16A	16A	16A
RATED VOLTAGE	TENSIONE NOMINALE	250V	250V	250V	250V	250V	250V
TEST VOLTAGE	TENSIONE DI PROVA	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s	2 kVrms/60s
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	min. Ø1,4mm	min. Ø1,4mm	min. Ø1,4mm	min. Ø1,4mm	min. Ø1,4mm	min. Ø1,4mm
BUTTON	PULSANTE	X	O	O	X	X	X

		MG1	MG1	MG1-P	MG1-P		
WIRE SECTION	CONDUTTORE CONNETTIBILE	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)	1,5mm² (16AWG)		
PITCH	PASSO	**7,5mm**	**7,62mm**	**7,5mm**	**7,62mm**		
MOUNTING POSITION	POSIZIONE DI MONTAGGIO	V	V	V	V		
NR. POLES	NR. POLI	1÷N.	1÷N.	1÷N.	1÷N.		
RATED CURRENT	CORRENTE NOMINALE	16A	16A	16A	16A		
RATED VOLTAGE	TENSIONE NOMINALE	450V	450V	450V	450V		
TEST VOLTAGE	TENSIONE DI PROVA	2,5 kVrms/60s	2,5 kVrms/60s	2,5 kVrms/60s	2,5 kVrms/60s		
PCB HOLES DIAMETER	DIAMETRO FORI C.S.	min. Ø1,4mm	min. Ø1,4mm	min. Ø1,4mm	min. Ø1,4mm		
BUTTON	PULSANTE	X	X	O	O		

V= Vertical - Verticale
H= Horizontal - Orizzontale

O= With button - Pulsante presente
X= No button - Pulsante assente

RoHS Conform

P/N SYSTEM / CODIFICA

MPE1 – **02** – **3,5** – **D(1)** – **(*)**

Series / Serie
Example / Esempio
MPE1

Poles / Poli
Example / Esempio
02

Pitch / Passo
Example / Esempio
3,5mm

Version / Versione
Example / Esempio
D

Custom

SHM
K = With flange screw / Con flangia a vite

MPE1
MPE2
MVEM50
MPS1
MPS2
MG1
MGS2
MG1D
MG1T
MG1Q

P = With button / Con pulsante
V = Vertical / Verticale
H = Horizontal / Orizzontale

C =
D =
A =

Wire insertion side / Lato inserimento cavo
=PIN position / Posizione PIN

(1) To specify only where needed / Da riportare solo se necessario
(*) Definition made by euroclamp / Definizione a cura di euroclamp

euroclamp

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WORLD / MONDO

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BY TRAIN / IN TRENO
VENAFRO (IS)
Railway station VENAFRO
Stazione di VENAFRO

BY PLANE / IN AEREO
NAPOLI
CAPODICHINO airport
Aeroporto CAPODICHINO
ROMA (Fiumicino)
L. DA VINCI airport
Aeroporto L. DA VINCI

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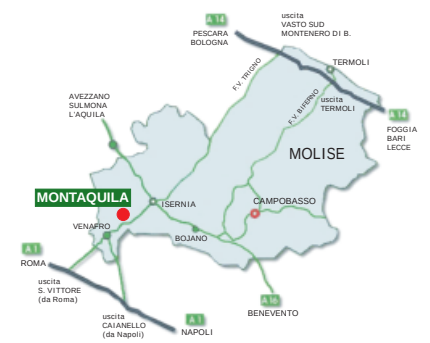

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