

**Conformi alla  
specifica LV 16/2**

**LV 16/2**  
solo / only RMBZ12

**Relè tutto o niente  
multipolare bistabile  
(a ritenuta magnetica)**

**All or nothing relay  
multicontact latching  
(magnetic)**

linea **M** - line **M**



**Funzionamento:**

in corrente continua per alimentazione permanente oppure per impulso (non inferiore a 50 ms). Autodisattivazione delle bobine a manovre avvenute

**Isolamento:**

a frequenza industriale e ad impulso (vds. tabella al retro)

**Contatti:**

7, 11, 19, 8, 12, 20 di scambio da 10 A nom.

**Servizio:**

- continuo
- durata meccanica: 20x10<sup>6</sup> manovre

**Esecuzione:**

protetta con calotta trasparente (grado di protezione IP.40 - EN 60529)

**Resistenza al fuoco:**

secondo EN 60695-2-1

**Raccordi:**

ad innesto faston

**Ambiente:**

- temperatura di impiego -25 °C +55 °C
- temperatura di magazzinaggio e trasporto -25 °C +70 °C

**Interdizione:**

con spine a posizione definita

**Portacartellino:**

guida per cartellino da 6 x 32 x 0,5 mm

**Massa:**

- gr. 470 (circa) (RMBZ01-12)
- gr. 780 (circa) (RMBZ02-13)
- gr. 1120 (circa) (RMBZ03-14)

**Volume:**

- cm<sup>3</sup> 620 (circa) (RMBZ01-12)
- cm<sup>3</sup> 880 (circa) (RMBZ02-13)
- cm<sup>3</sup> 1350 (circa) (RMBZ03-14)

**Norma di riferimento:**

EN 60255

**Coil input voltage:**

designed for DC voltage for permanent or impulsive (not less than 50 ms) signal. After switching the coils are de-energized

**Insulation:**

nominal frequency voltage test and impulse voltage test (see rear table)

**Contacts:**

7, 11, 19, 8, 12, 20 changeover 10 A rated contacts

**Working class:**

- continuous
- mechanical life: 20x10<sup>6</sup> operations

**Protection:**

enclosed in a transparent polycarb. dustcover (degree of protection IP.40 - ref. EN 60529)

**Resistance to fire:**

ref. EN 60695-2-1

**Base:**

quick connect faston type terminals for plug-in sockets and coupling plug

**Temperature:**

- operative temp.: -25°C +55°C (-13°F + 131°F)
- storage temp.: -25°C +70°C (-13°F + 158°F)

**Error proof pin:**

pins with coded position

**Label-holder:**

guide for label up to 6 x 32 x 0,5 mm

**Weight:**

- gr. 470 (16.58 ounces av) (RMBZ01-12)
- gr. 780 (27.51 ounces av) (RMBZ02-13)
- gr. 1120 (39.50 ounces av) (RMBZ03-14)

**Volume:**

- cm<sup>3</sup> 190 (11.59 cu in) (RMBZ01-12)
- cm<sup>3</sup> 880 (53.68 cu in) (RMBZ02-13)
- cm<sup>3</sup> 1350 (82.35 cu in) (RMBZ03-14)

**Reference standard:**

EN 60255

**Guida alla scelta**

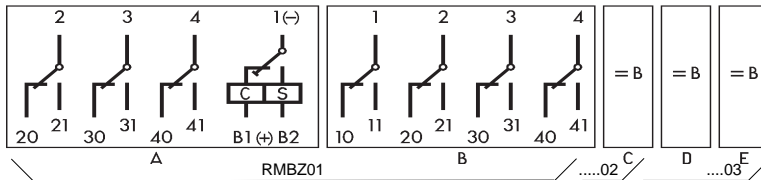
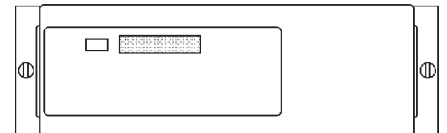
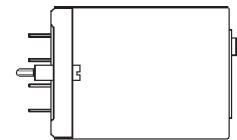
Tipo RMBZxx

- xx=01 7 contatti
- xx=02 11 contatti
- xx=03 19 contatti
- xx=12 8 contatti
- xx=13 12 contatti
- xx=14 20 contatti

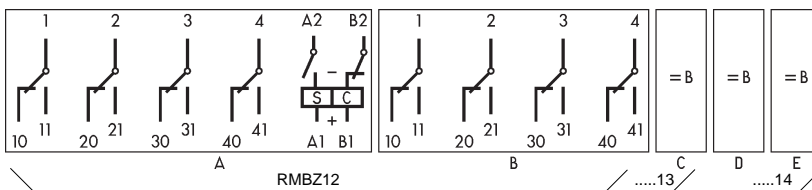
**Selection guide**

Cat. No. RMBZxx

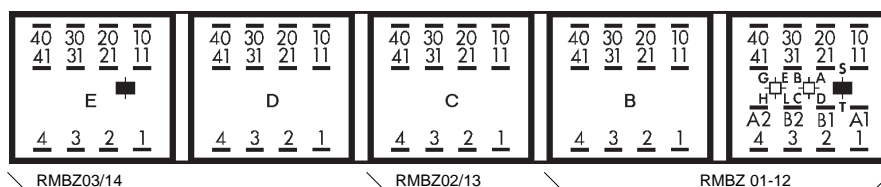
- xx=01 7 contacts
- xx=02 11 contacts
- xx=03 19 contacts
- xx=12 8 contacts
- xx=13 12 contacts
- xx=14 20 contacts



schema RMBZ01/02/03  
wiring-diagram RMBZ01/02/03



schema RMBZ12/13/14  
wiring-diagram RMBZ12/13/14



28 - 40 - 64 innesti (vista al retro)  
28 - 40 - 64 pins base (rear view)

## Funzionamento - *Electrical data*

Relè <i>Relay</i>	Alimentazione bobina <i>Coil voltage data</i>	Consumo (circa) <i>Power (about)</i>	Campo di lavoro <i>Operating range</i>	Classe di lavoro <i>Working class</i>
	max V c.c./DC	W	Un	
RMBZ01 (1)		15 *		
RMBZ02/03 (1)		30 *		
RMBZ12 (2)	250	18 *	80÷120% 85÷110%	C
RMBZ13/14 (2)		36 *		

\* = chiamata e rilascio / *latching and unlatching*

(1) = alimentazione bobine di chiamata e di sgancio: da unica sorgente / *feed latching and unlatching coils: one single source*

(2) = alimentazione bobine di chiamata e di sgancio: a circuiti indipendenti (galvanicamente separati) per sorgenti o tensioni diverse / *feed latching and unlatching coils: with independent circuits (galvanically disjoint) for different sources or tensions*

## Isolamento - *Insulation data*

	Resistenza di isolamento <i>Insulation resistance</i> a/ to 500V c.c./DC Mohm	Tensione di tenuta a frequenza industriale <i>Rated frequency voltage test</i> per/ for 1 min. per/ for 1 sec. KV KV		Tensione di tenuta ad impulso <i>Impulse voltage test</i> 1,2/50µs 0,5J KV
Tra i circuiti elettricamente indipendenti e tra questi e massa <i>Between electrically independent circuits and between those and the frame</i>	>10000	2	2,2	5
Tra gli elementi, aperti, di contatto <i>Between open contact components</i>	>10000	2	2,2	5 - 4 *

\* = RMBZ03

## Contatti - *Contact data*

Quantità n° <i>Number</i>	Tipo relè <i>Cat. no</i>	Tipo contatto <i>Type</i>	Portata AI <i>Rated current A</i> contin./contin. ❖ per/ for 1' per/ for 1s			Capacità di interruzione <i>Breaking capacity</i>
7	RMBZ01					
11	RMBZ02					
19	RMBZ03	Scambiali <i>Changeover</i>	10	20	40	0.5 A - 110 V c.c./DC - LR 40 ms 100.000 man. - 1.800 man/h - 50%
8	RMBZ12					
12	RMBZ13					
20	RMBZ14					

❖ = su tutti i contatti contemporaneamente: 30% di riduzione / *on all contacts contemporaneously: 30% reduction*

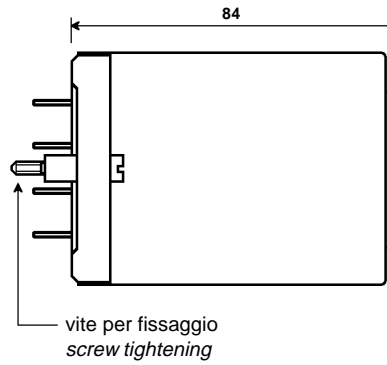
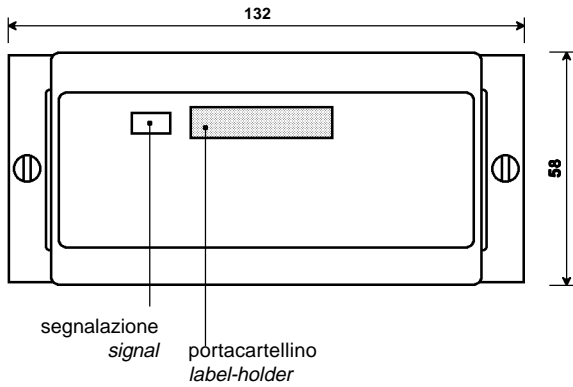
## Tempi di commutazione Un/ *Operating and release time at Un*

Temperatura ambiente : 20 °C/ *Ambient temperature 20 °C (68 °F)*

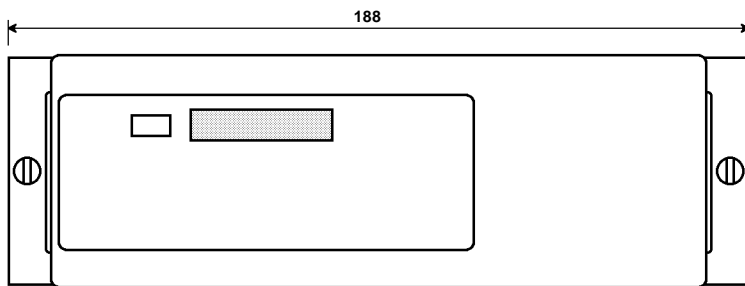
		Millisecondi / <i>Milliseconds</i>			
		RMBZ01/12	RMBZ02/13	RMBZ03/14	
		c.c./DC	c.c./DC	c.c./DC	
Attrazione/ <i>Operate</i>	apertura/ <i>opening</i>	Riposo/ <i>N.C.</i>	≤ 9	≤ 10	≤ 8
	chiusura/ <i>closing</i>	Lavoro/ <i>N.O.</i>	≤ 26	≤ 33	≤ 25
Rilascio/ <i>Release</i>	apertura/ <i>opening</i>	Lavoro/ <i>N.O.</i>	≤ 8	≤ 9	≤ 8
	chiusura/ <i>closing</i>	Riposo/ <i>N.C.</i>	≤ 40	≤ 36	≤ 43

**Dimensioni / Dimensions**

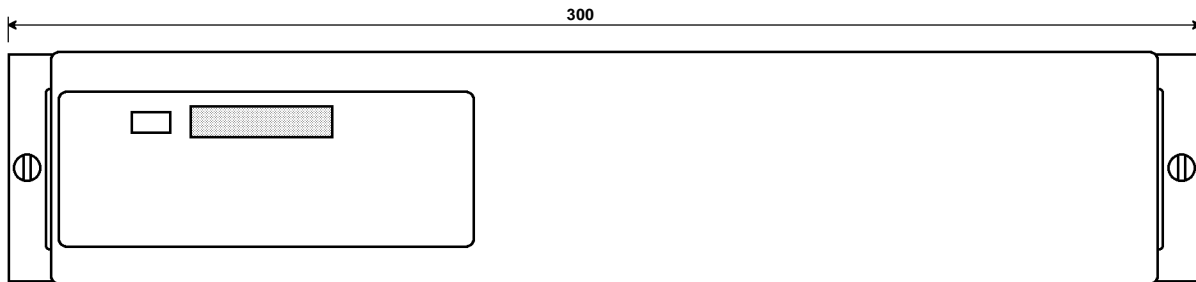
**linea M / line M**



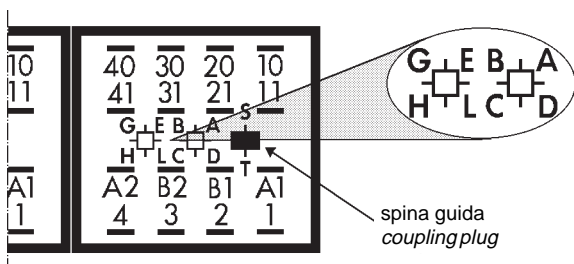
dim. 1  
RMME2-x6 - RMNE6  
RMBEx3 - RMDEx1  
RMMV1y



dim. 2  
RMME3-x7 - RMNE7  
RMBEx5 - RMDEx2



dim. 3  
RMME4-x8 - RMNE9  
RMBEx7 - RMDEx4

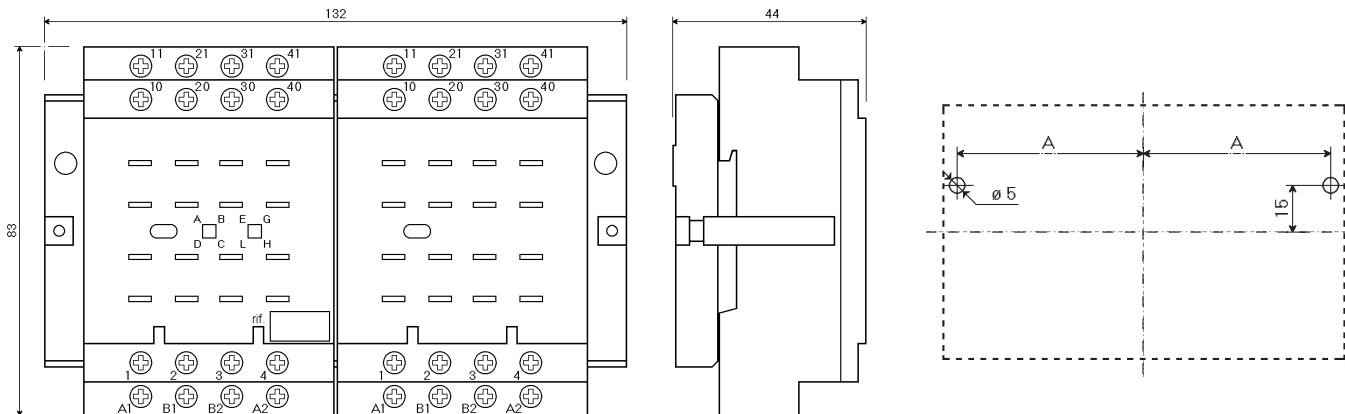


**Prese / Sockets**

**linea M / line M**

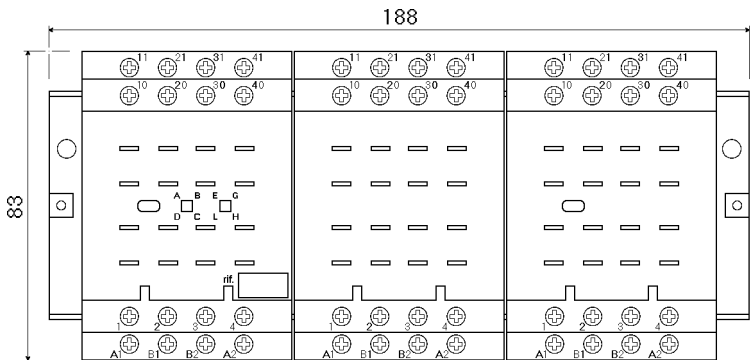
**PAVM320** per piastra / for plate mounting

**PAVM328** con viteria inox / with screws inox



**PAVM480** per piastra / for plate mounting

**PAVM488** con viteria inox / with screws inox

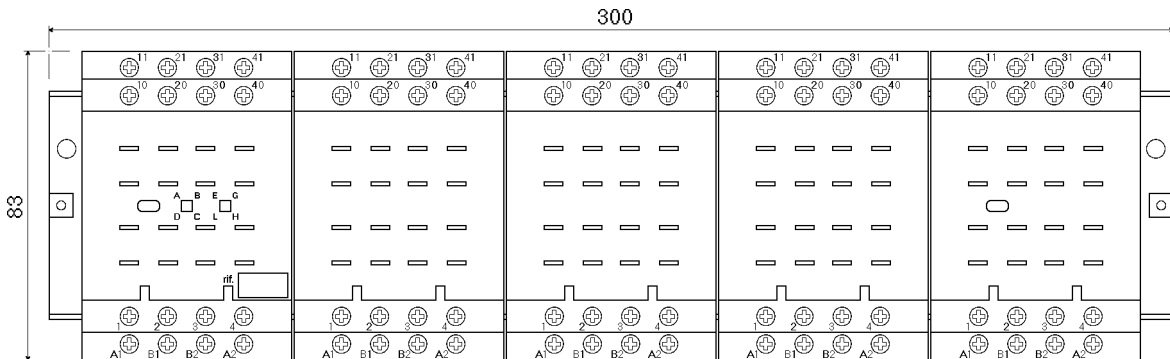


sagoma e fissaggio  
outline dimensions

Tipo / Cat.No	A
PAVM320	61
PAVM480	89
PAVM800	145

**PAVM800** per piastra / for plate mounting

**PAVM808** con viteria inox / with screws inox

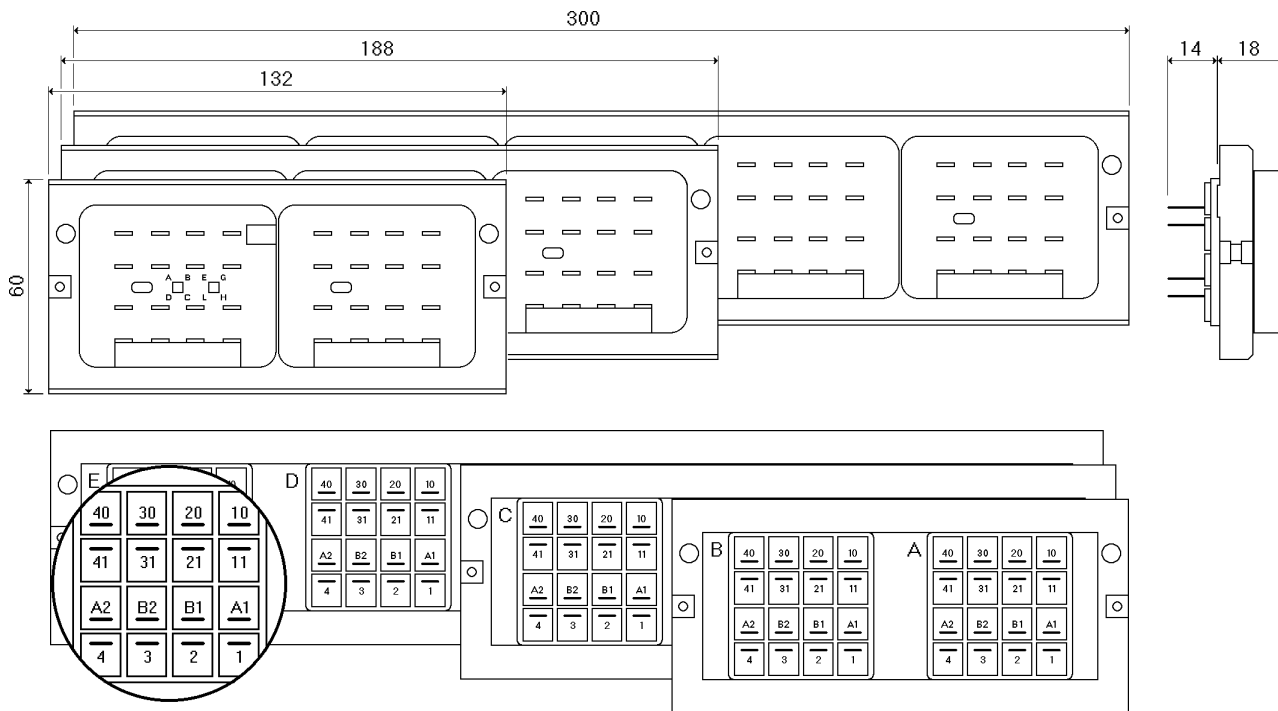


**Prese / Sockets**

**linea M / line M**

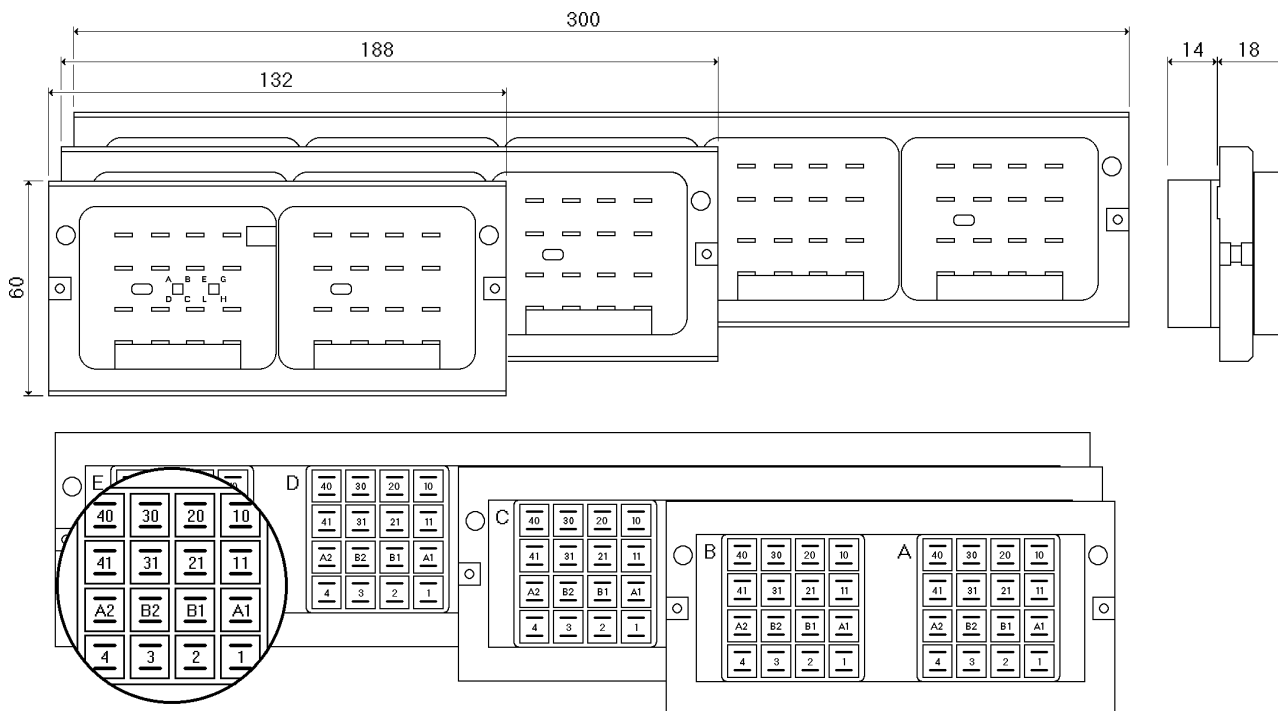
**PRGM321 - PRGM481 - PRGM801**

per montaggio a pannello con terminali faston semplice / for flush-mounted with faston terminals



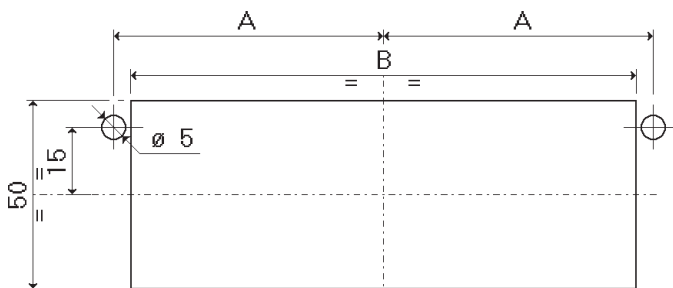
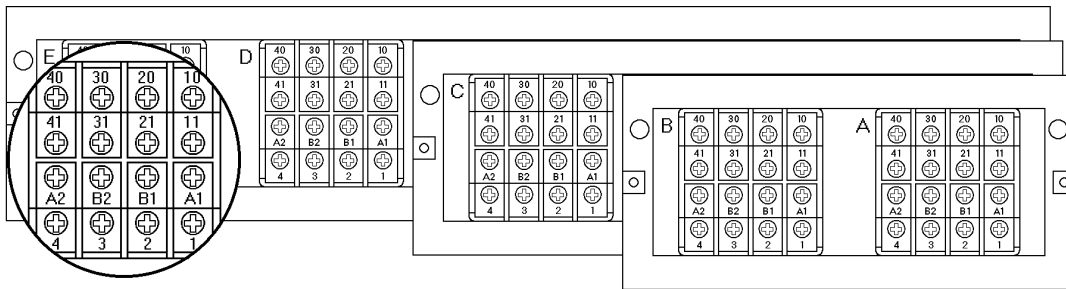
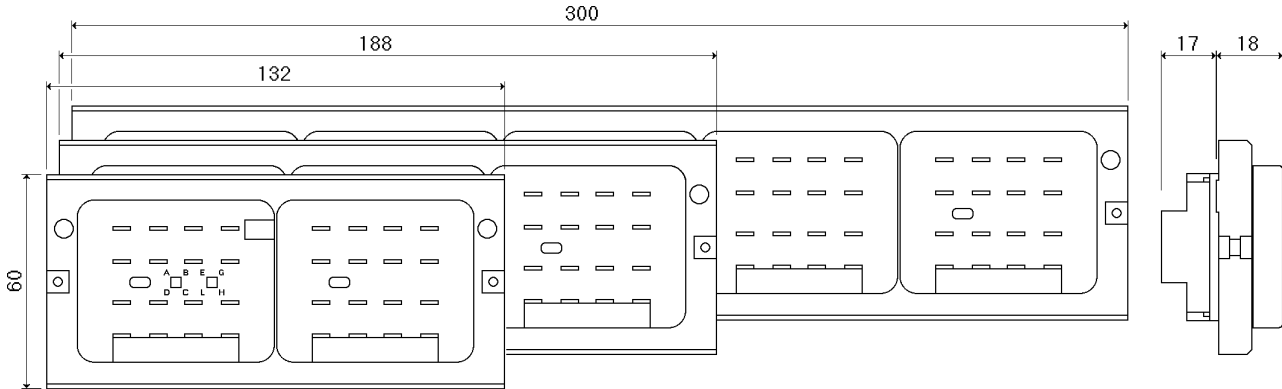
**PRDM321 - PRDM481 - PRDM801**

montaggio a pannello, terminali doppio faston / for flush-mounted with double faston terminals



**PRVM321 - PRVM481 - PRVM801**

per montaggio a pannello con terminali a vite / for flush-mounted with screws terminals



sagoma e fissaggio / outline dimensions

Tipo Cat.No	A	B	Lungh. presa Sockets length
PR.M321	61	110	132
PR.M481	89	166	188
PR.M801	145	278	300