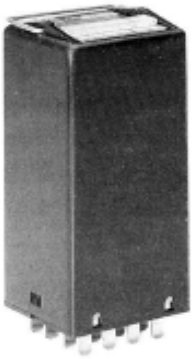


Relè tutto o niente bistabile (a ritenuta magnetica)

All or nothing latching (magnetic) relay

linea **G** - *line **G***

Funzionamento:
- in corrente continua
- in corrente alternata (direttamente senza raddrizzatori o diodi)

RGBEx2: per alimentazione ad impulso (non inferiore a 50 e non superiore a 200 ms).
RGBEx3·x4: per alimentazione permanente o per impulso (non inferiore a 50 ms), dopo l'azionamento la bobine viene disalimentata

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

Contatti:
3 o 4 di scambio da 12 A nominali

Servizio:
- continuo
- durata meccanica: $20x10^6$ manovre

Esecuzione:
protetta con calotta (grado di protezione IP.40 - EN 60529) ed impugnatura per estrazione

Resistenza al fuoco:
secondo EN 60695-2-1

Raccordi:
ad innesto faston

Ambiente:
temperatura di impiego -25°C +55°C
temperatura di magazz. e trasp. -25°C +70°C

Segnalazione:
ottico-meccanica a colore rosso di posizione attivata (chiamata)

Interdizione:
a richiesta con spine

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

Massa:
gr. 280 (circa) (RGBEx2·x3)
gr. 370 (circa) (RGBEx4)

Volume:
cm^3 190 (circa) (RGBEx2·x3)
cm^3 260 (circa) (RGBEx4)

Normativa di riferimento:
EN 60255

Montaggio con prese per:
profilato DIN: PAVG161 - PAVG168
pannello: PRGG161 - PRDG161 - PRVG161

Coil input voltage:
- designed for DC voltage
- designed for AC voltage (without rectifier diode)
RGBEx2: for impulsive (not less than 50 and not more than 200 milliseconds) signal.
RGBEx3·x4: for permanent or for impulsive (not less than 50 ms) signal, after switching the coils are de-energized by internal auxiliary contacts

***Insulation**:*
nominal frequency voltage test and impulse voltage test (see rear table)

Contacts:
3 or 4 changeover 12 A rated contacts

Working class:
- continuous
- mechanical life: $20x10^6$ operations

***Protection**:*
- enclosed in a policarbonate dustcover (degree of protection IP.40 - EN 60529) provided with extraction handle

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)

Signal:
optical-mechanical indication of working position

Error proof pin:
on request

Label-holder:
guide for label up to 6 x 32 x 0,5 mm

Weight:
gr. 280 (9.88 ounces av) (RGBEx2·x3)
gr. 370 (9.88 ounces av) (RGBEx4)

Volume:
cm^3 190 (11.59 cu in) (RGBEx2·x3)
cm^3 260 (15.87 cu in) (RGBEx4)

Reference standard:
EN 60255

Mounting with sockets for:
DIN rail: PAVG161 - PAVG168
flush-mounted: PRGG161 - PRGD161 - PRVG161

Guida alla scelta

Tipo RGBExy

x = 1 Standard
x = 4 Con contatti e connettori dorati (2 μ)

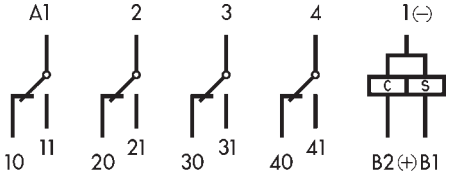
y = 2 4 contatti solo per tensione di alimentazione ad impulso
y = 3 3 contatti
y = 4 4 contatti

Selection guide

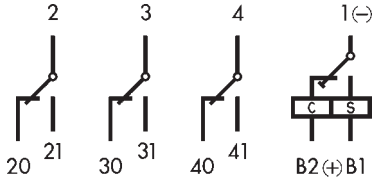
Cat. No RGBExy

x = 1 Standard
x = 4 With gold-plated (2 μ) contacts and connectors

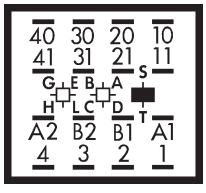
y = 2 4 contacts only for impulsive input voltage
y = 3 3 contacts
y = 4 4 contacts



schema / *wiring-diagram* RGBEx2

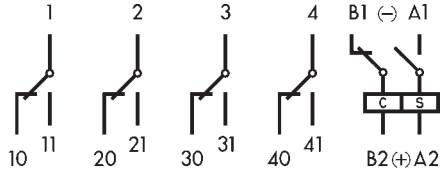


schema / *wiring-diagram* RGBEx3



Zoccolo G a 16 innesti
16 pins base (rear view)

schema
wiring-diagram
RGBEx4



Funzionamento - *Electrical data*

Alimentazone bobina *Coil voltage data*			Consumo (circa) *Power (about)*		Campo di lavoro *Operating range*	Classe di lavoro *Working class*
max V Tens c.c./*DC*	max V Tens c.a./*AC*		W c.c./*DC*	V c.a./*AC*	Un	
	50 Hz	60 Hz				
220	380	440	15 (1)	15 (1)	80÷120%	C

(1) = chiamata e sgancio / *latching* and *unlatching*
Nota: alimentazione bobine di chiamata e di sgancio: da unica sorgente (RGBEx2·x3) oppure da due sorgenti indipendenti (separate galvanicamente) (RGBEx4)
Note: feed latching and unlatching coils: one single source (RGBEx2·x3) or two indipendent sources (galvanically disjoint) for different sources (RGBEx4)

Isolamento - *Insulation data*

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

☆ = I raccordi del circuito di alimentazione devono essere collegati tra loro / *Input voltage circuit contacts must be connected to each other*

Contatti - *Contact data*

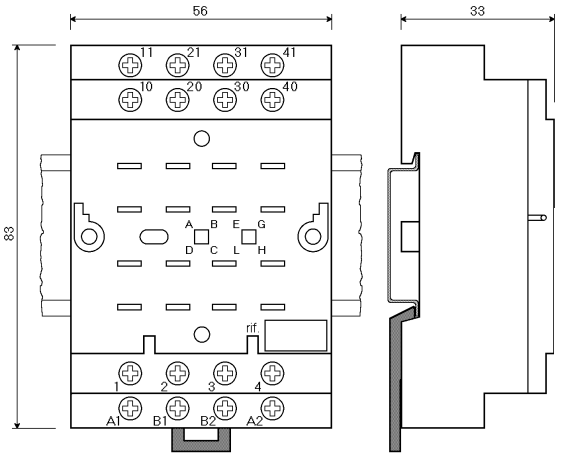
Quantità n° *Number*	Tipo relè *Cat. no*	Tipo contatto *Type*	Portata A/*Rated current A* contin. / *contin.* ❖	per/*for* 1'	per/*for* 1s	Capacità di interruzione *Breaking capacity*
3	RGBEx3	Scambio *Changeover*	12	20	40	0.5 A - 110 V c.c./DC - L/R 40 ms 100.000 man. - 1.800 man/h - 50%
4	RGBEx2					
4	RGBEx4					

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

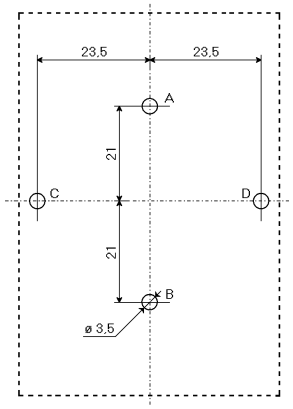
Tempi di commutazione Un/*Operating and release time at Un*
Temperatura ambiente : 20 °C/*Ambient temperature 20 °C (68 °F)*

			Millisecondi / *Milliseconds* *RGBEx2·x3* c.c./*DC*	c.a./*AC*	*RGBEx4* c.c./*DC*	c.a./*AC*
Attrazione/*Operate*	apertura/*opening*	Riposo/*N.C.*	≤ 9	≤ 20	≤ 9	≤ 20
	chiusura/*closing*	Lavoro/*N.O.*	≤ 30	≤ 35	≤ 30	≤ 35
Ricaduta/*Release*	apertura/*opening*	Lavoro/*N.O.*	≤ 7	≤ 21	≤ 6	≤ 21
	chiusura/*closing*	Riposo/*N.C.*	≤ 45	≤ 65	≤ 43	≤ 55

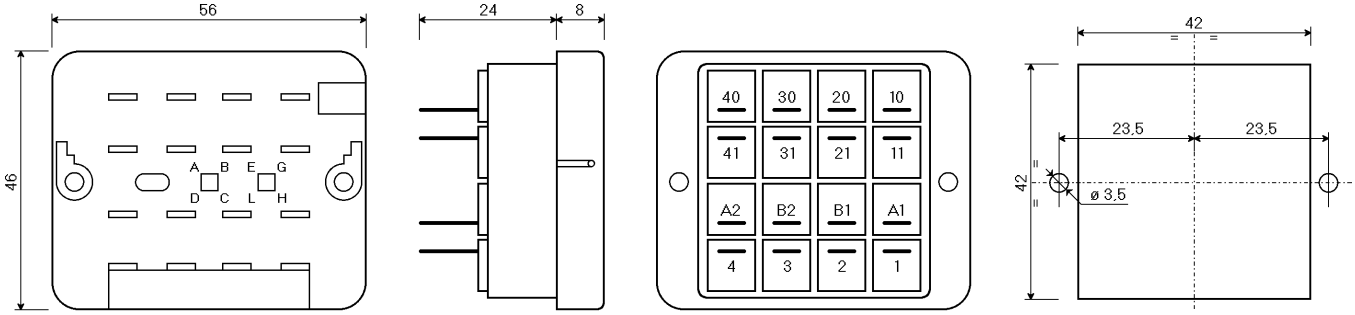
PAVG161 per profilato DIN o piastra / *for Din rail or plate mounting*



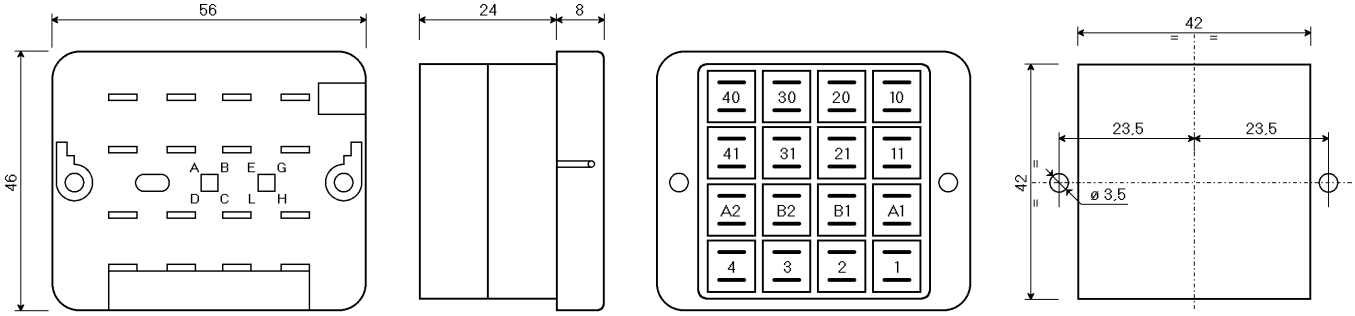
PAVG168 con viteria inox / *with screws inox*



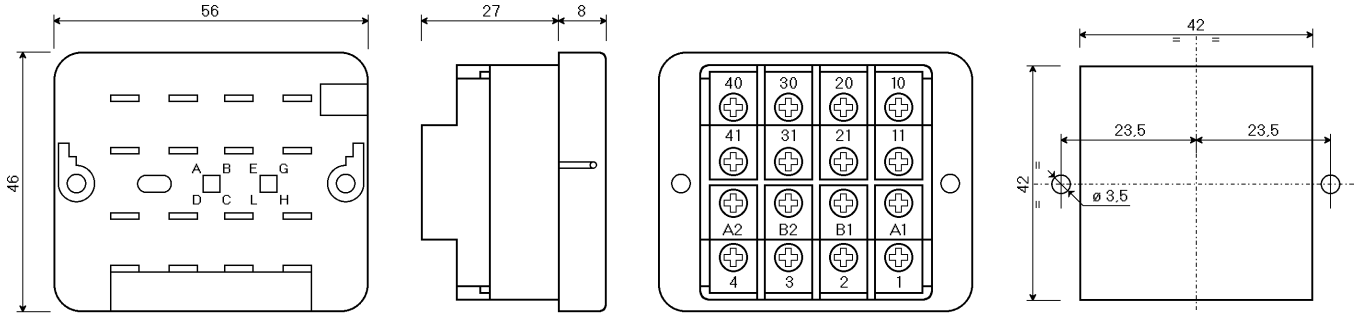
PRGG161 per montaggio a pannello con terminali faston semplice / *for flush-mounted with faston terminals*



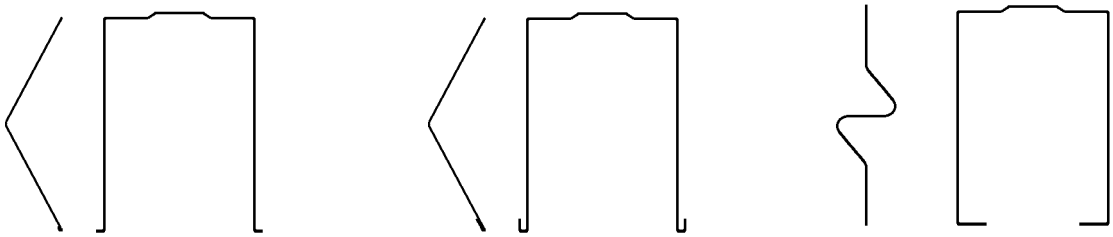
PRDG161 per montaggio a pannello con terminali doppio faston / *for flush-mounted with double faston terminals*



PRVG161 per montaggio a pannello con terminali a vite / *for flush-mounted with screws terminals*



Molle / *Spring*



tipo / *Cat. No :* VM12xx

tipo / *Cat. No :* VM14xx

tipo / *Cat. No :* VM18xx

tipo / *Cat. No :* VM12xx per linea G / *for line G*

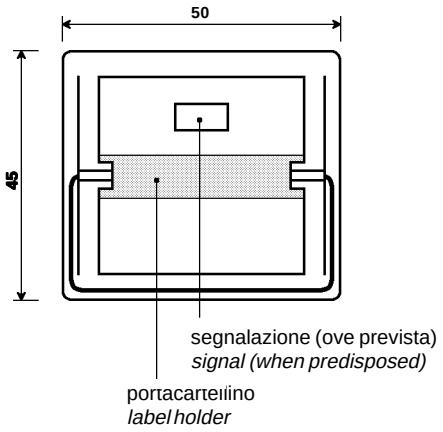
xx = 21 molla per relè di dimensione 1/ spring for relay with dimension 1
xx = 22 molla per relè di dimensione 2/ spring for relay with dimension 2

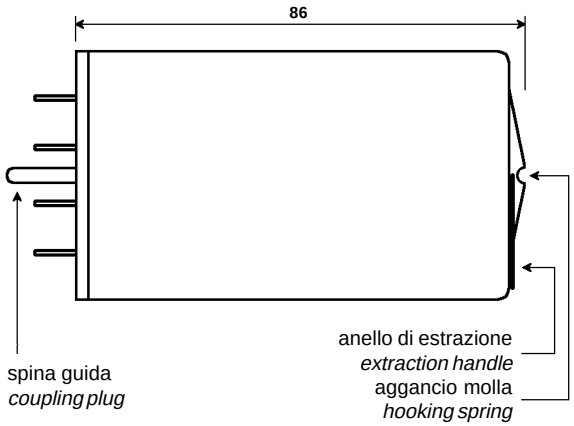
tipo / *Cat. No :* VM14xx per linea A e B / *for line A and B*

xx = 21 molla per relè di dimensione 1/ spring for relay with dimension 1
xx = 22 molla per relè di dimensione 3/ spring for relay with dimension 3
xx = 23 molla per relè di dimensione 2/ spring for relay with dimension 2

tipo / *Cat. No :* VM18xx per linea C e D / *for line C and D*

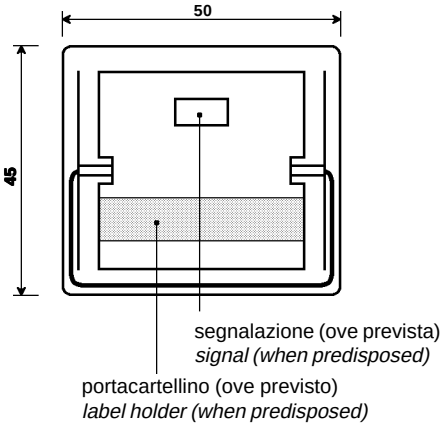
xx = 21 molla per relè di dimensione 1/ spring for relay with dimension 1
xx = 22 molla per relè di dimensione 2/ spring for relay with dimension 2
xx = 23 molla per relè di dimensione 3/ spring for relay with dimension 3

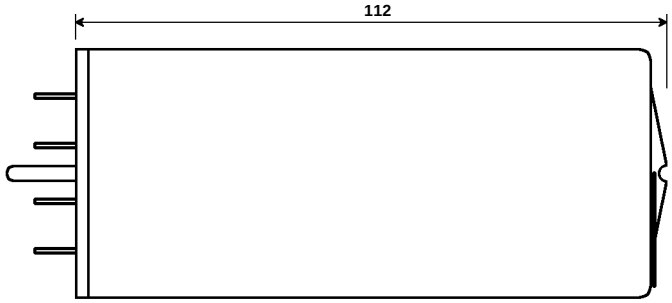




dim. 1

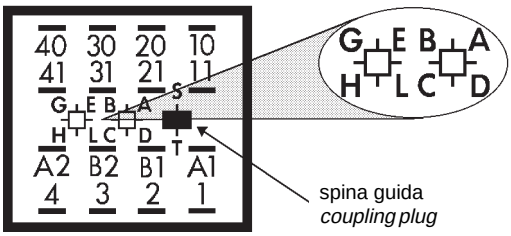
RGMExy
RGBEx2·x3
RGTO23x
RGMV13



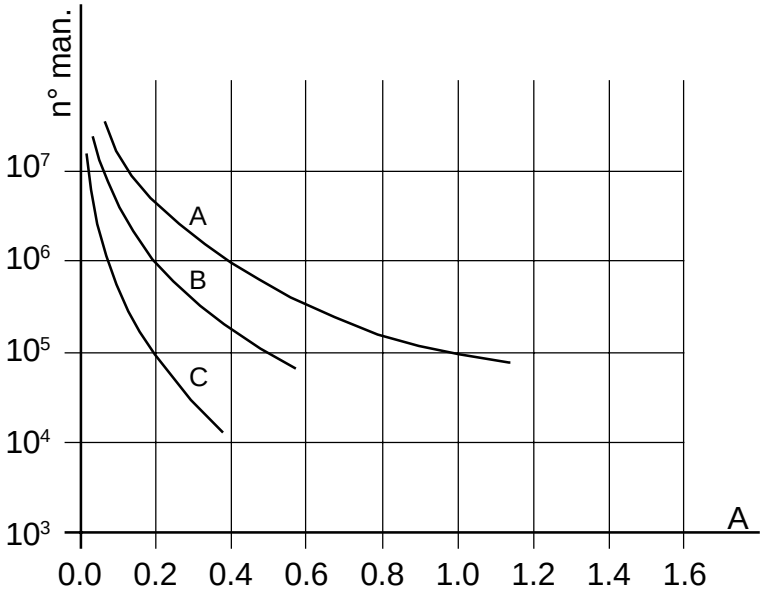


dim. 2

RGLE13 - RGBEx4 - RGRE12
RGTExx - RGMV12



Capacità di interruzione / *Breaking capacity*



Carico sui contatti / *load inductor* : 110 V c.c./*DC* L/R = 40 ms.

A = RGMEx7
RMMEx6·x7·x8 - RMNEx6·x7·x9
B = RCMEx6
RDMEx6 - RDCE13 - RDLE13 - RDTE17·18·19
RGMEx3·x4 - RGLE13 - RGBExy - RGTExx
RMMEx2·x3·x4 - RMBEx3·x5·x7 - RMDEx1·x2·x4
C = RCMEx2
RDMEx2 - RDBExy - RDPE1y - RDTE11·12·14

U_{max} contatto aperto :

relè tipo RC.... - RD....	250V cc / 300 V ca
relè tipo RG.... - RM....	350V cc / 440 V ca