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Find the *MecVel ECV1-VRS* at our website: ***Click HERE***

Modello ECV1

- Motore a magneti permanenti CE
- Motore A.C. monofase-trifase CE
- Riduttore vite senza fine - ruota elicoidale
- Stelo filettato trapezoidale e ricircolo di sfere
- Asta traslante in acciaio cromato
- Lubrificazione a grasso
- IP 50 / IP 65
- Temperatura di funzionamento -10°C +60°C
- Impiego intermittente S3 30% (5 min) a 30°C*
- Fine corsa, potenziometro ed encoder a richiesta

(*) Per impieghi diversi contattare il Ns Ufficio Tecnico

Model ECV1

- *Permanent magnet motor CE*
- *Three phase or single phase motor CE*
- *Worm gearbox*
- *ACME lead screw and ballscrew*
- *Chrome plated steel push rod*
- *Lubrication by grease*
- *IP 50 / IP 65*
- *Temperature range -10°C +60°C*
- *Intermittent duty S3 30% (5 min) @ 30°C**
- *Limit switches, potentiometer and encoder on demaind*

(*) For any special duty please contact our offices

ECV1 (Vdc)

Fmax	Velocità	Versione	Taglia motore	Potenza motore	Giri motore	Rapporti Riduzione	D vite	Passo	Rendimento	Corsa max [mm]	
Fmax	*Speed*	*Version*	*Motor size*	*Motor power*	*Motor speed*	*Gearbox Reduction Ratio*	*Screw D*	*Pitch*	*Efficiency*	*Max stroke (mm)*	
[N]	[mm/s]			[kW]	[rpm]		[mm]	[mm]		con FC / *with FC*	senza FC / *without FC*
1000	80,0	M01	76	-	3000	3/15	18	8	0,27	795	795
2000	40,0	M02	76	-	3000	2/20	18	8	0,23	935	935
3000	20,0	M03	76	-	3000	2/20	18	4	0,21	765	765
5000	10,0	M04	76	-	3000	1/20	18	4	0,20	590	590

ECV1-VRS (ballscrew) (Vdc)

Fmax	Velocità	Versione	Taglia motore	Potenza motore	Giri motore	Rapporti Riduzione	D vite	Passo	Rendimento	Corsa max [mm]	
Fmax	*Speed*	*Version*	*Motor size*	*Motor power*	*Motor speed*	*Gearbox Reduction Ratio*	*Screw D*	*Pitch*	*Efficiency*	*Max stroke (mm)*	
[N]	[mm/s]			[kW]	[rpm]		[mm]	[mm]		con FC / *with FC*	senza FC / *without FC*
3000	50,0	M01	76	-	3000	3/15	16	5	0,65	640	640
5000	25,0	M02	76	-	3000	2/20	16	5	0,56	495	495
7500	12,0	M03	76	-	3000	1/20	16	5	0,54	405	405

ECV1 (Vac)

Fmax	Velocità	Versione	Taglia motore	Potenza motore	Giri motore	Rapporti Riduzione	D vite	Passo	Rendimento	Corsa max [mm]	
Fmax	*Speed*	*Version*	*Motor size*	*Motor power*	*Motor speed*	*Gearbox Reduction Ratio*	*Screw D*	*Pitch*	*Efficiency*	*Max stroke (mm)*	
[N]	[mm/s]			[kW]	[rpm]		[mm]	[mm]		con FC / *with FC*	senza FC / *without FC*
1000	80,0	M01	IEC63	0,37	2800	3/15	18	8	0,27	820	820
2000	40,0	M02	IEC63	0,37	2800	3/15	18	4	0,24	820	820
4800	20,0	M03	IEC71	0,37	1400	3/15	18	4	0,24	605	605
7500	10,0	M04	IEC71	0,37	1400	2/20	18	4	0,21	485	485
7500	5,0	M05	IEC63	0,18	1400	1/20	18	4	0,20	485	485

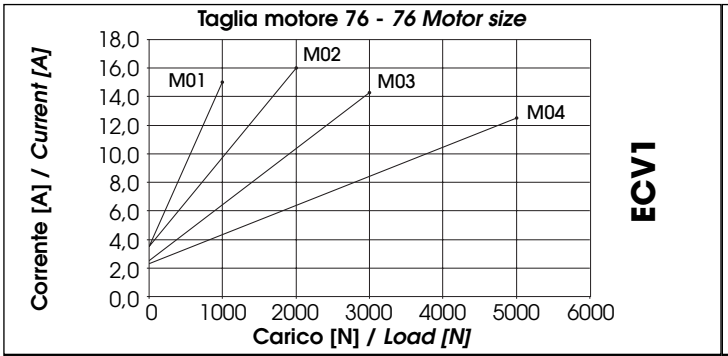
ECV1-VRS (ballscrew) (Vac)

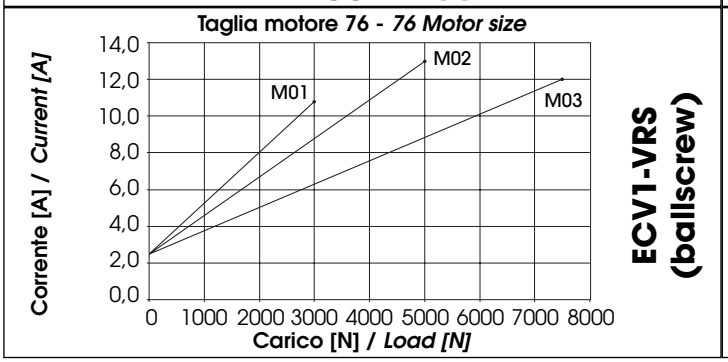
Fmax	Velocità	Versione	Taglia motore	Potenza motore	Giri motore	Rapporti Riduzione	D vite	Passo	Rendimento	Corsa max [mm]	
Fmax	*Speed*	*Version*	*Motor size*	*Motor power*	*Motor speed*	*Gearbox Reduction Ratio*	*Screw D*	*Pitch*	*Efficiency*	*Max stroke (mm)*	
[N]	[mm/s]			[kW]	[rpm]		[mm]	[mm]		con FC / *with FC*	senza FC / *without FC*
1000	45,0	M01	IEC56	0,09	2800	3/15	16	5	0,65	790	790
2000	22,0	M02	IEC56	0,11	1400	3/15	16	5	0,65	785	785
5000	10,0	M03	IEC56	0,11	1400	2/20	16	5	0,56	495	495
7500	5,0	M04	IEC56	0,11	1400	1/20	16	5	0,54	405	405

Nota: con motore Vac monofase il valore "Fmax [N]" diminuisce del 35%.

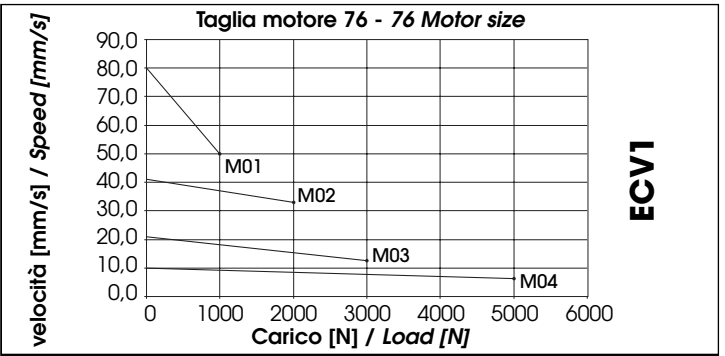
Note: "Fmax [N]" is 35 % lower when a single phase motor is used.

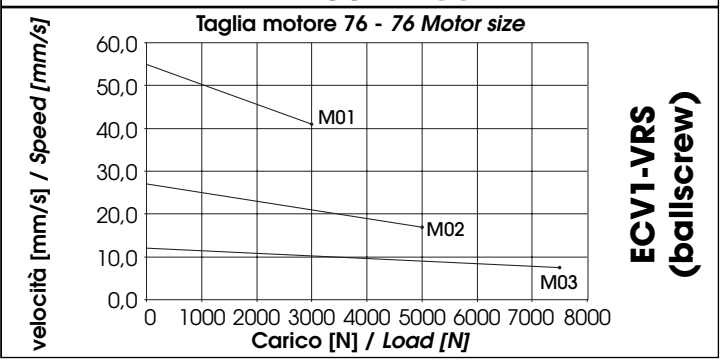
Diagrammi di corrente - *Current diagram*





Diagrammi di velocità - *Speed diagram*





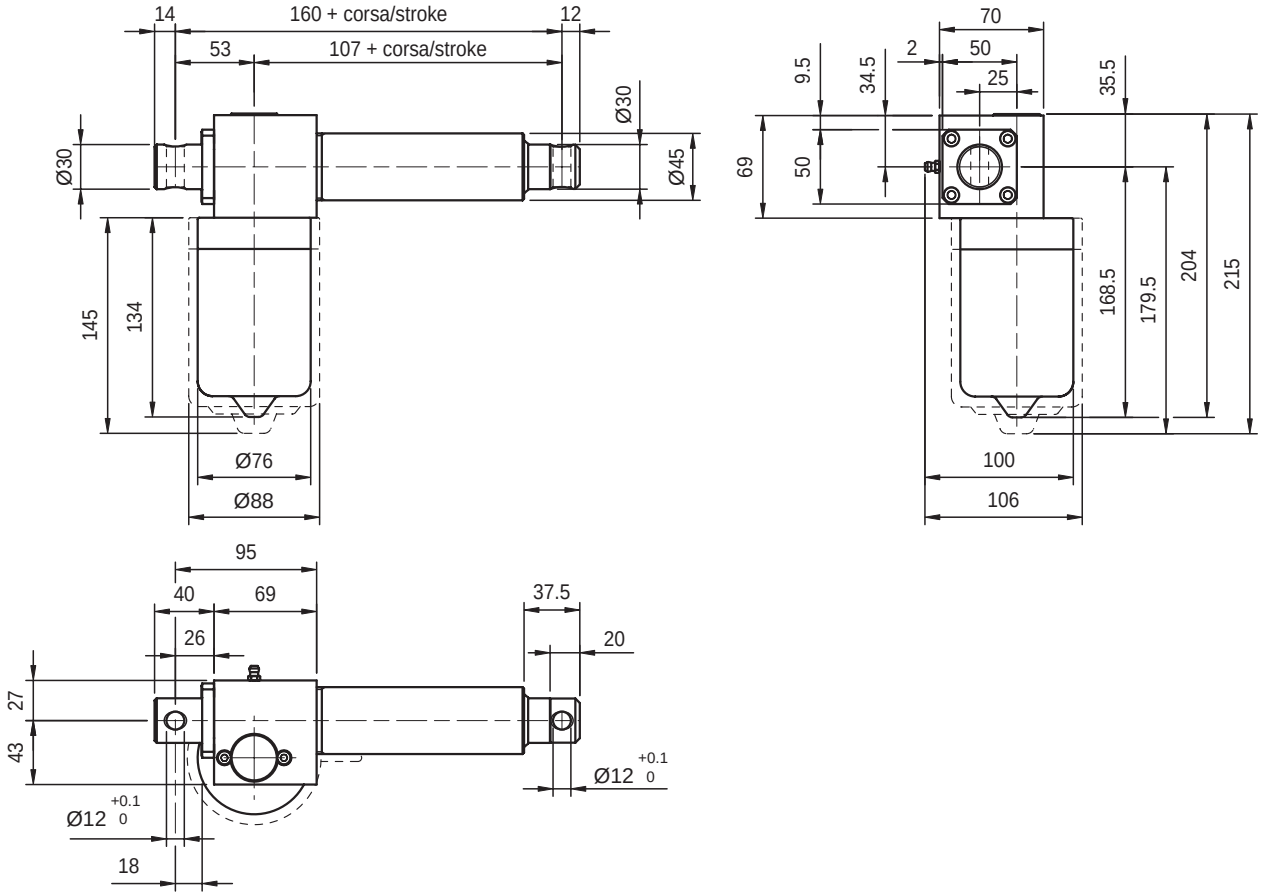
Diagrammi riferiti alla tensione di alimentazione 24Vdc.
Per tensione 12Vdc raddoppiare il valore di corrente e ridurre il valore di carico del 20%.
Per tensione 36Vdc ridurre il valore di corrente del 30% e lasciare inalterata la velocità.

Per una corretta scelta dell'attuatore idoneo alla Vs. applicazione si devono utilizzare le informazioni tecniche che trovate al capitolo "Guida alla Scelta degli Attuatori e dei Martinetti Elettromeccanici".

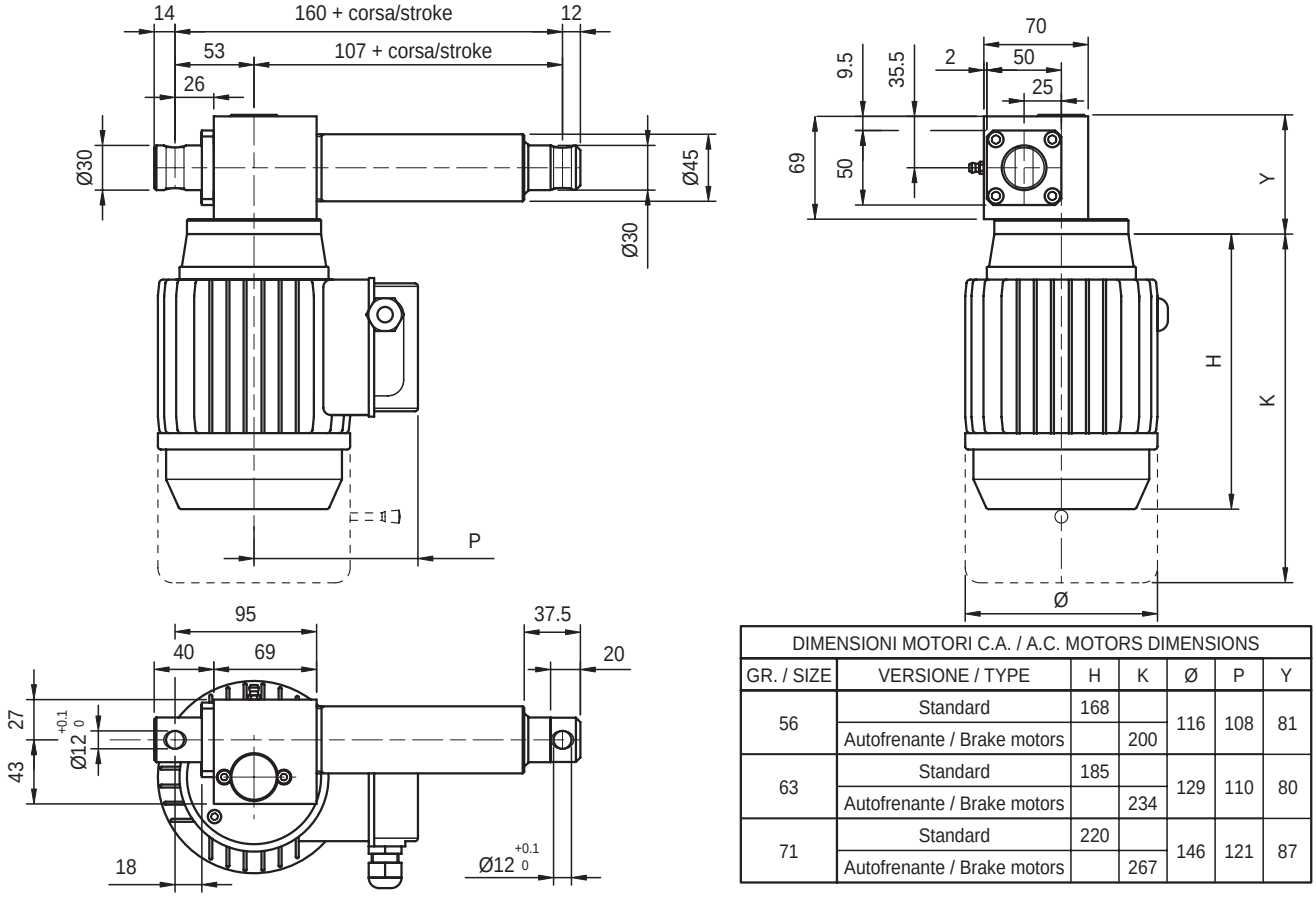
Diagrams valids for 24Vdc power supply.
For 12Vdc power supply currents are doubled and loads are 20% slower. For 36Vdc power supply currents are 30% lower and speeds remain the same.

Elements and technical information available in "Electromechanical Actuators + Jack Choice Guideline" have to be carefully considered in order to perform a proper actuator selection according to your application.

ECV1 - Versione C.C. / D.C. Version

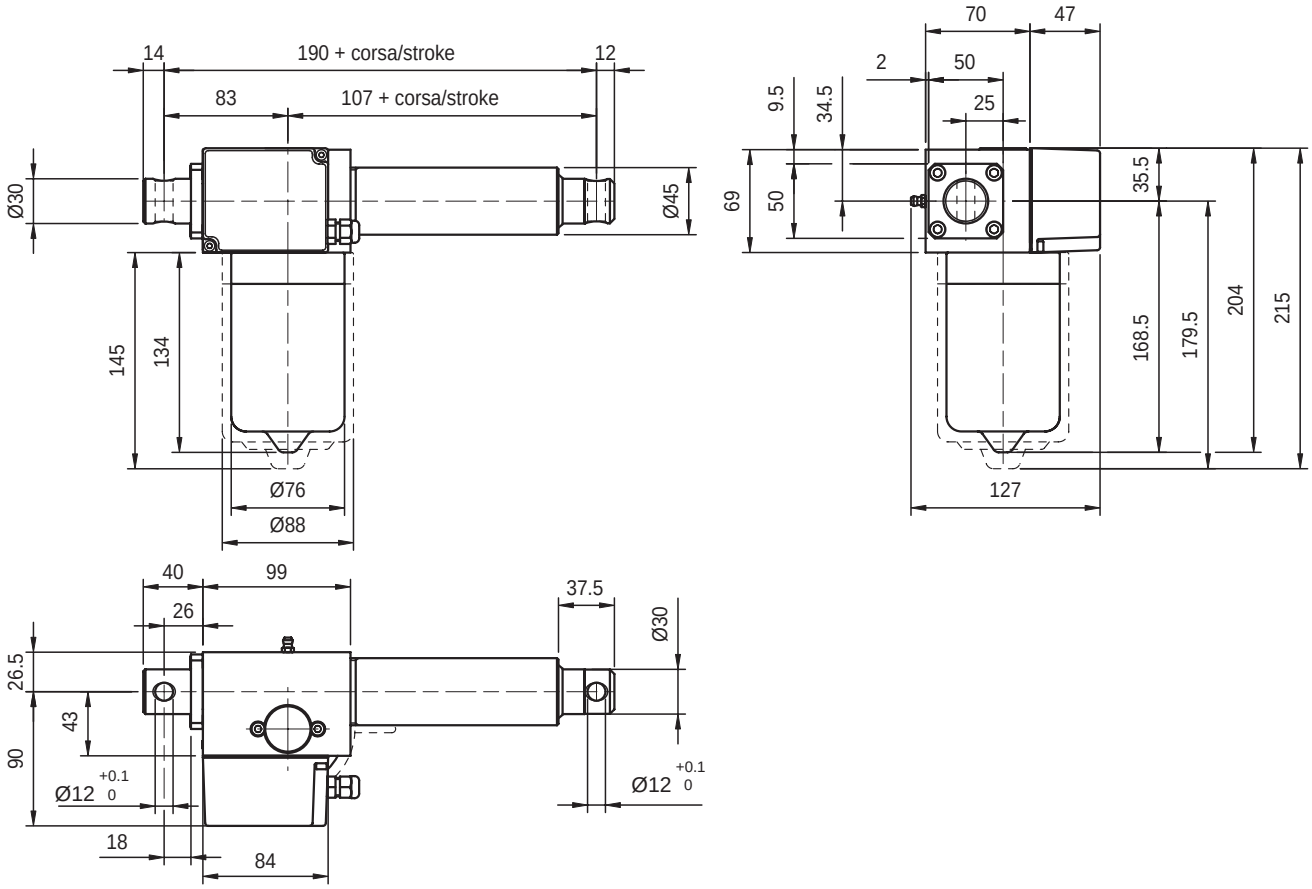


ECV1 - Versione C.A. / A.C. Version

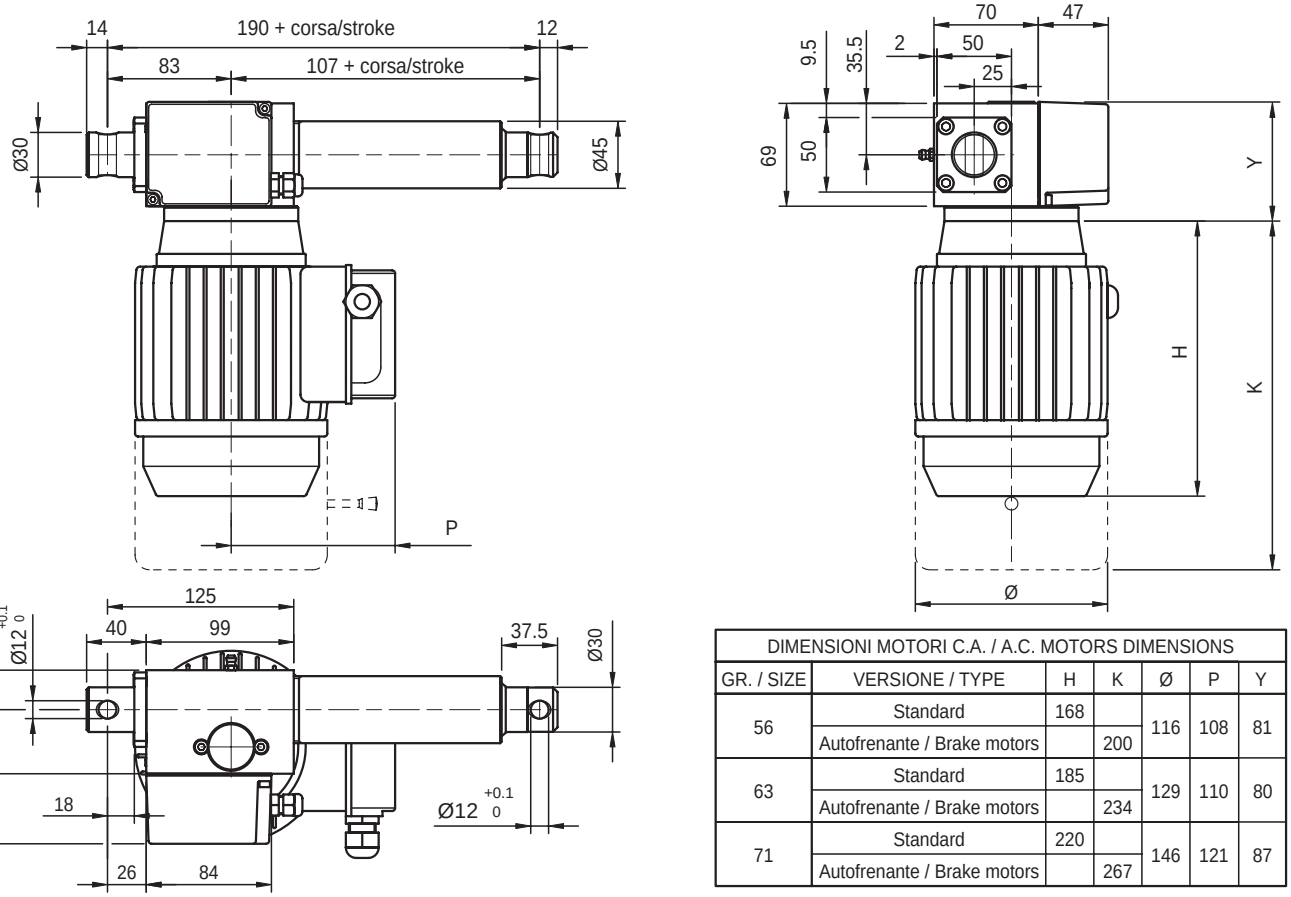


DIMENSIONI MOTORI C.A. / A.C. MOTORS DIMENSIONS						
GR. / SIZE	VERSIONE / TYPE	H	K	Ø	P	Y
56	Standard	168		116	108	81
	Autofrenante / Brake motors		200			
63	Standard	185		129	110	80
	Autofrenante / Brake motors		234			
71	Standard	220		146	121	87
	Autofrenante / Brake motors		267			

ECV1-F - Versione C.C. / D.C. Version

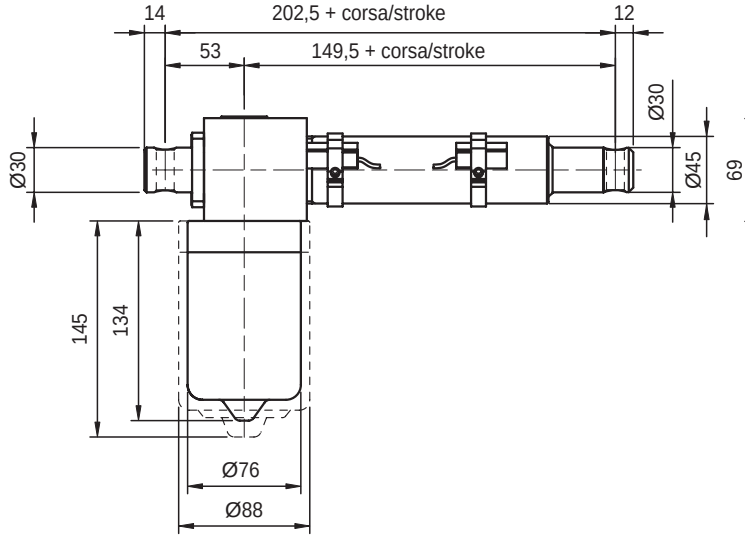


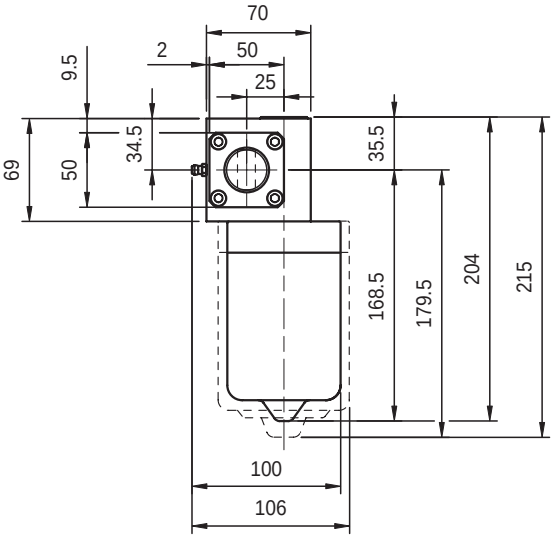
ECV1-F - Versione C.A. / A.C. Version

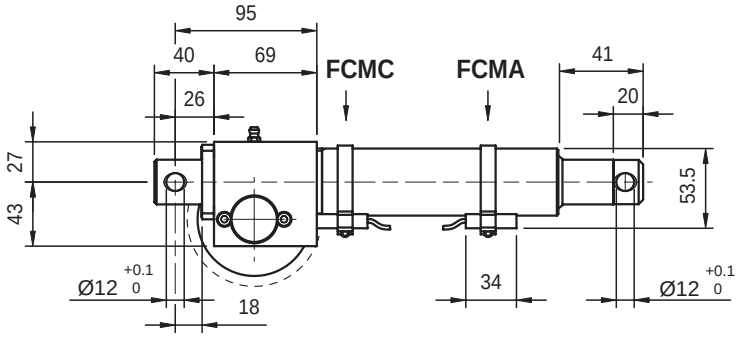


DIMENSIONI MOTORI C.A. / A.C. MOTORS DIMENSIONS						
GR. / SIZE	VERSIONE / TYPE	H	K	Ø	P	Y
56	Standard	168		116	108	81
	Autofrenante / Brake motors		200			
63	Standard	185		129	110	80
	Autofrenante / Brake motors		234			
71	Standard	220		146	121	87
	Autofrenante / Brake motors		267			

ECV1-FCM - Versione C.C. / D.C. Version







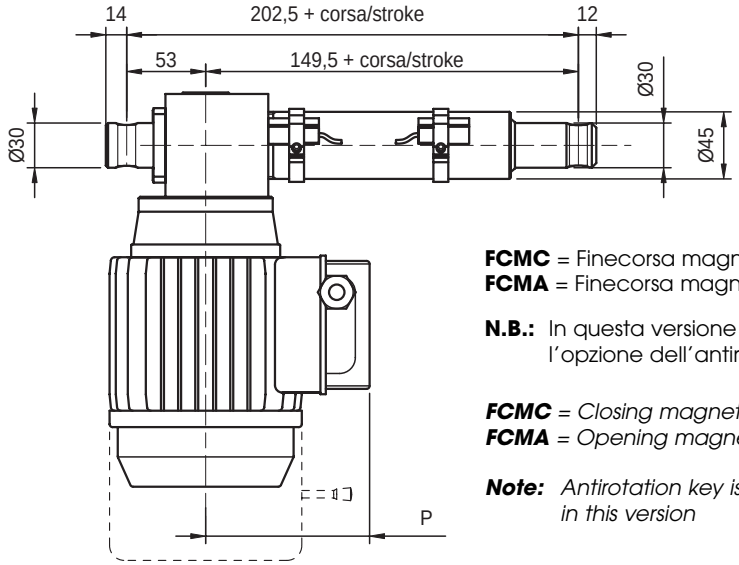
FCMC = Finecorsa magnetico chiusura
FCMA = Finecorsa magnetico apertura

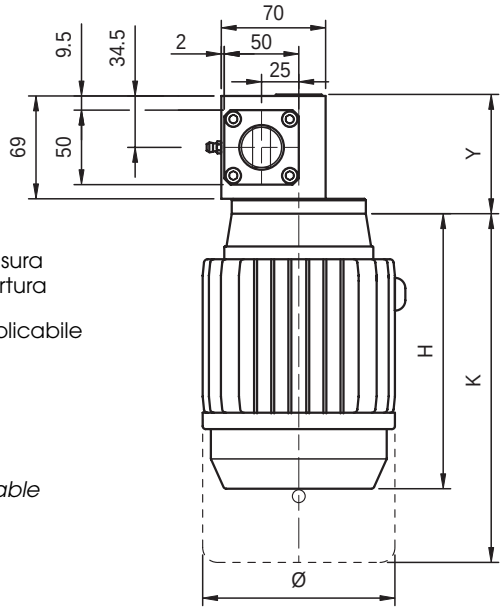
N.B.: In questa versione non è applicabile l'opzione dell'antirotazione.

FCMC *= Closing magnetic switch*
FCMA *= Opening magnetic switch*

Note: *Antirotation key is not available in this version*

ECV1-FCM - Versione C.A. / A.C. Version



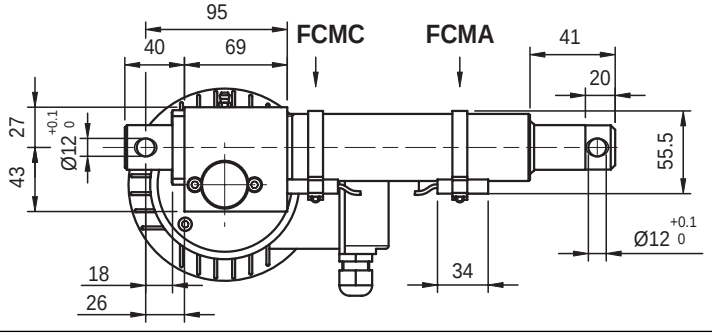


FCMC = Finecorsa magnetico chiusura
FCMA = Finecorsa magnetico apertura

N.B.: In questa versione non è applicabile l'opzione dell'antirotazione.

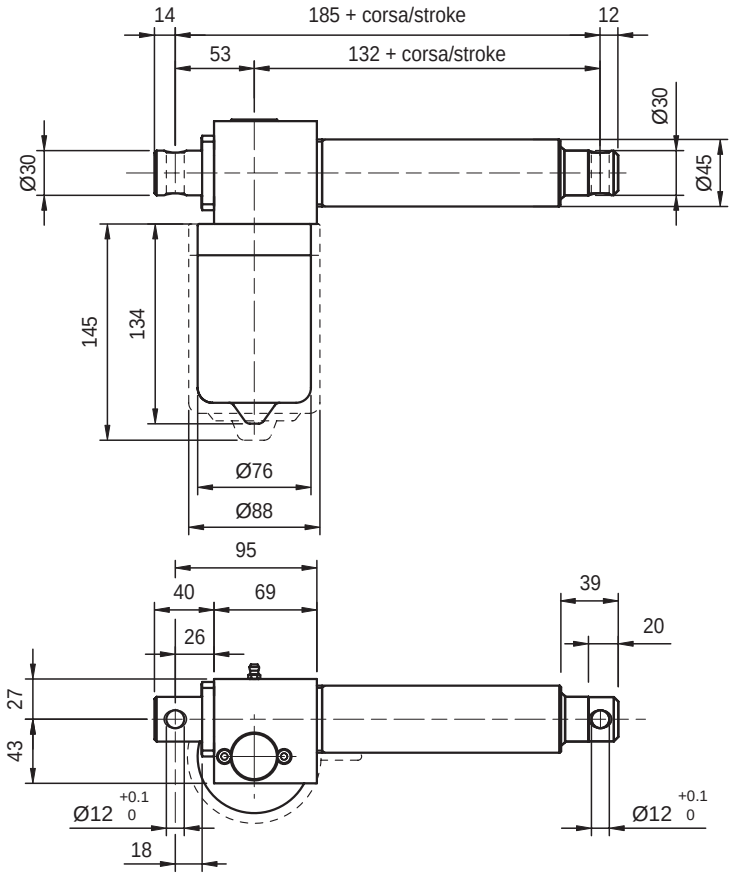
FCMC *= Closing magnetic switch*
FCMA *= Opening magnetic switch*

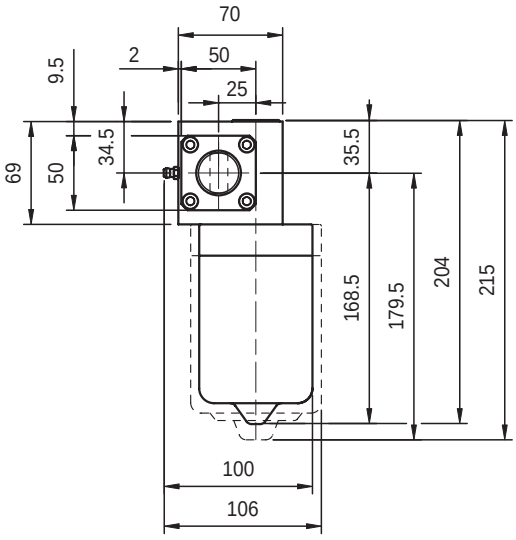
Note: *Antirotation key is not available in this version*



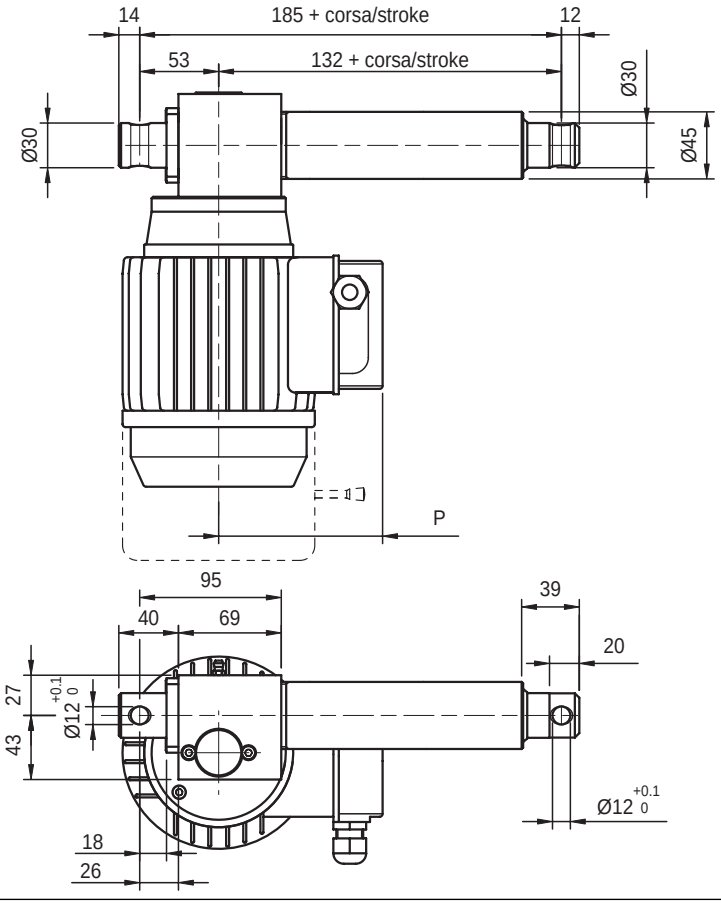
DIMENSIONI MOTORI C.A. / A.C. MOTORS DIMENSIONS						
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56	Standard	168		116	108	81
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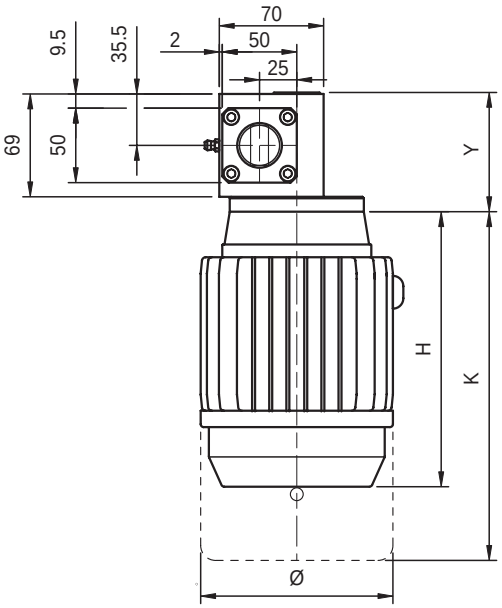
ECV1-VRS - Versione C.C. / D.C. Version (ballscrew)





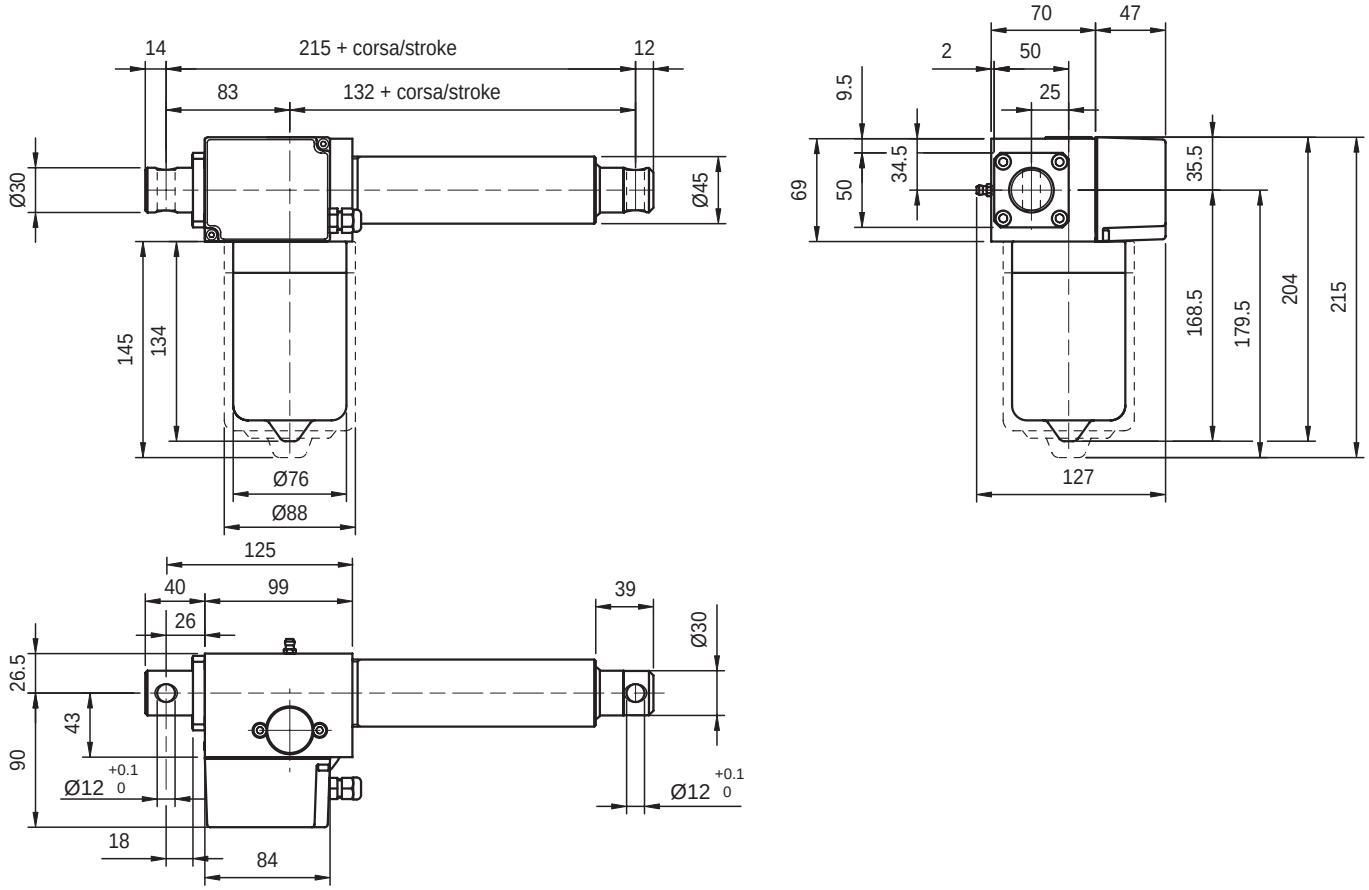
ECV1-VRS - Versione C.A. / A.C. Version (ballscrew)



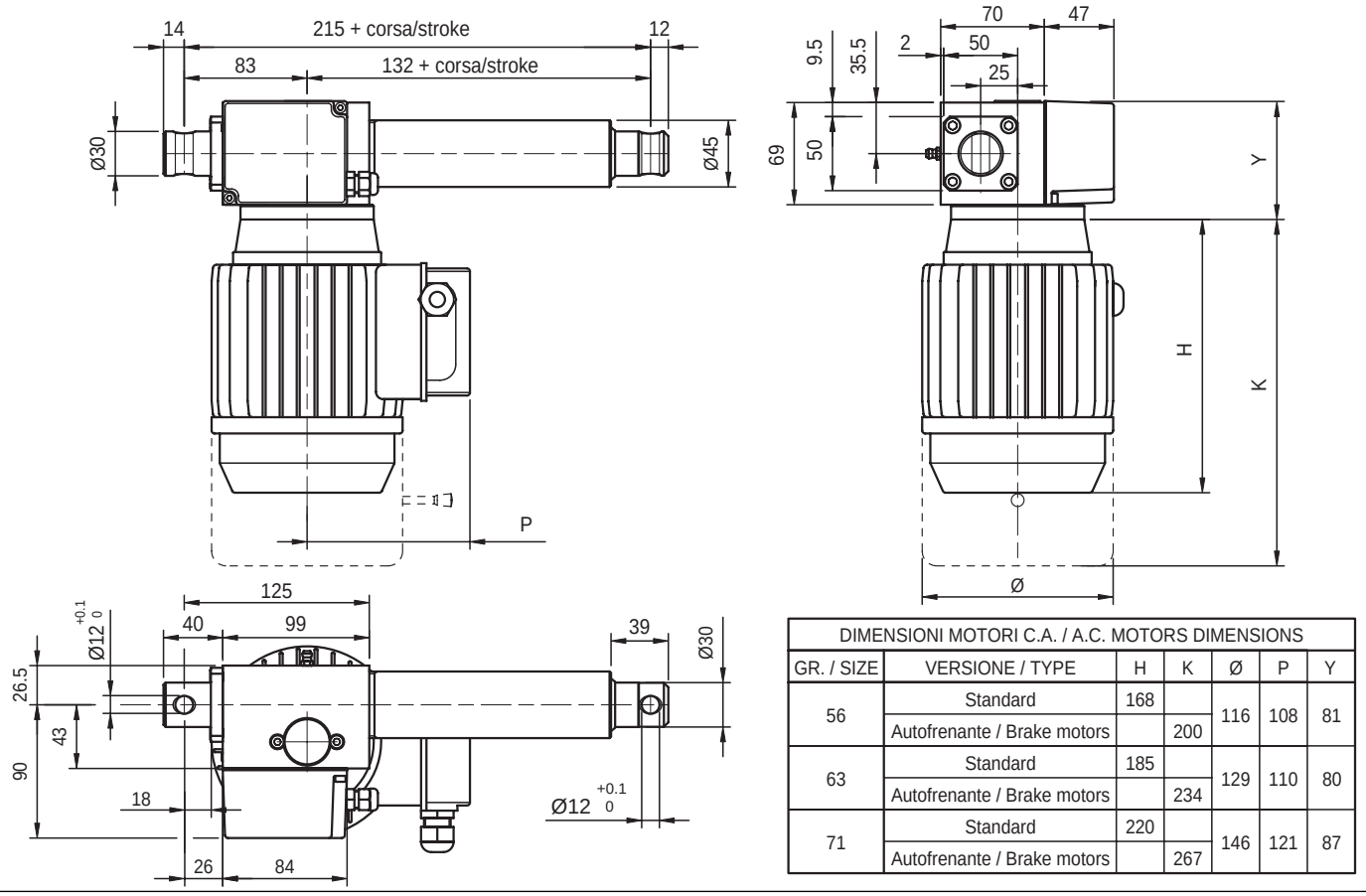


DIMENSIONI MOTORI C.A. / A.C. MOTORS DIMENSIONS						
GR. / SIZE	VERSIONE / TYPE	H	K	Ø	P	Y
56	Standard	168		116	108	81
	Autofrenante / Brake motors		200			
63	Standard	185		129	110	80
	Autofrenante / Brake motors		234			
71	Standard	220		146	121	87
	Autofrenante / Brake motors		267			

ECV1-VRS-F - Versione C.C. / D.C. Version (ballscrew)

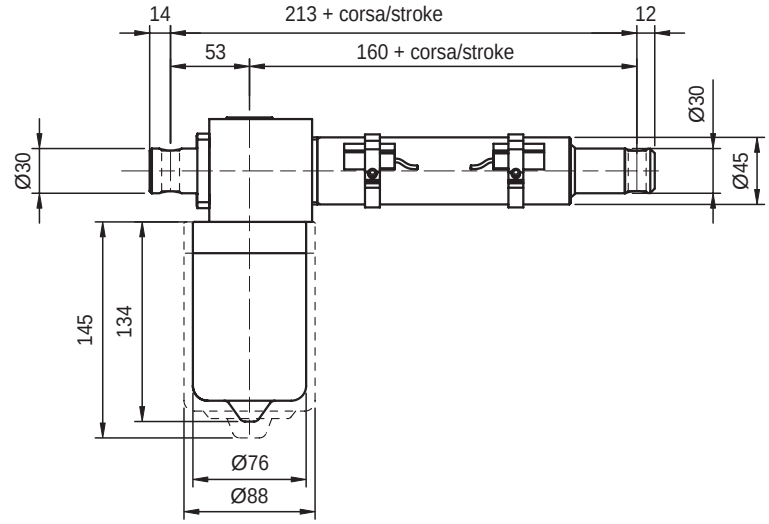


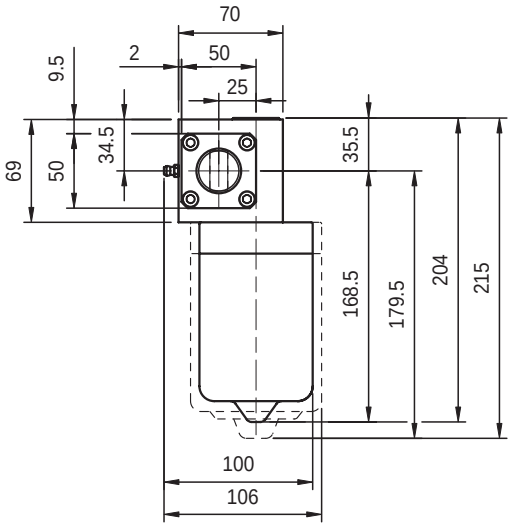
ECV1-VRS-F - Versione C.A. / A.C. Version (ballscrew)

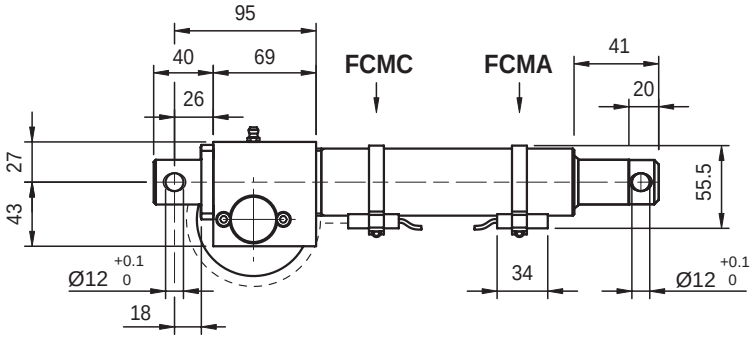


DIMENSIONI MOTORI C.A. / A.C. MOTORS DIMENSIONS						
GR. / SIZE	VERSIONE / TYPE	H	K	Ø	P	Y
56	Standard	168		116	108	81
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63	Standard	185		129	110	80
	Autofrenante / Brake motors		234			
71	Standard	220		146	121	87
	Autofrenante / Brake motors		267			

ECV1-VRS-FCM - Versione C.C. / D.C. Version (ballscrew)







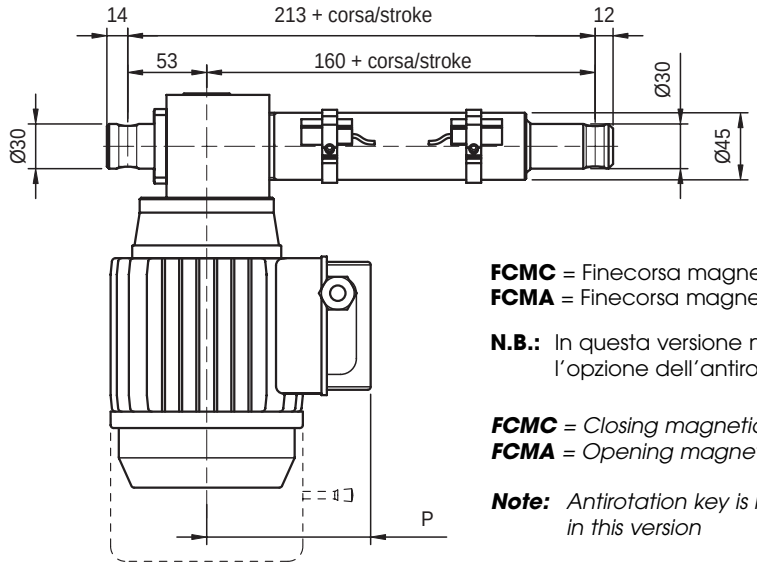
FCMC = Finecorsa magnetico chiusura
FCMA = Finecorsa magnetico apertura

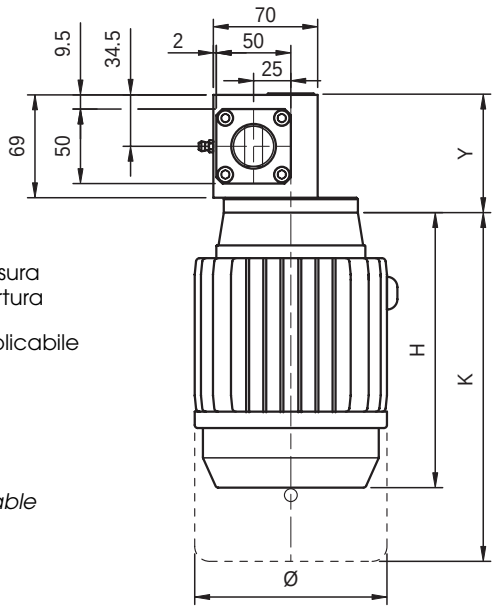
N.B.: In questa versione non è applicabile l'opzione dell'antirotazione.

FCMC = *Closing magnetic switch*
FCMA = *Opening magnetic switch*

Note: *Antirotation key is not available in this version*

ECV1-VRS-FCM - Versione C.A. / A.C. Version (ballscrew)



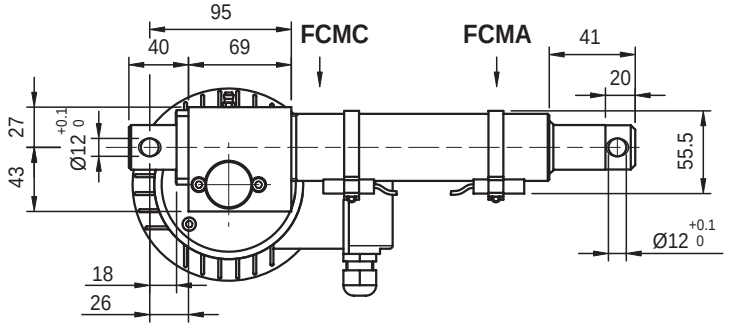


FCMC = Finecorsa magnetico chiusura
FCMA = Finecorsa magnetico apertura

N.B.: In questa versione non è applicabile l'opzione dell'antirotazione.

FCMC = *Closing magnetic switch*
FCMA = *Opening magnetic switch*

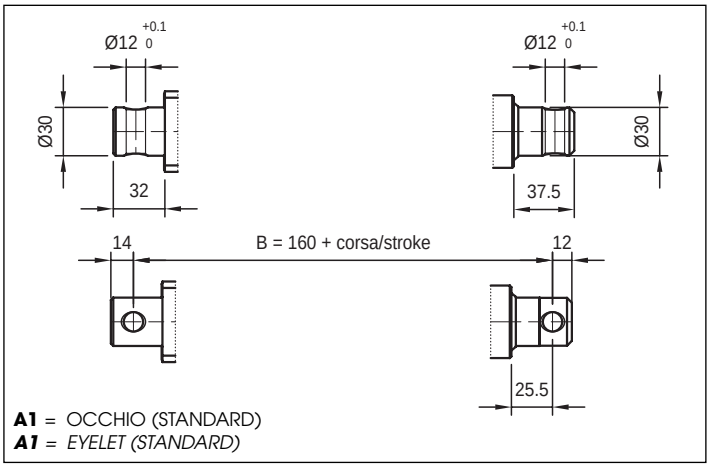
Note: *Antirotation key is not available in this version*



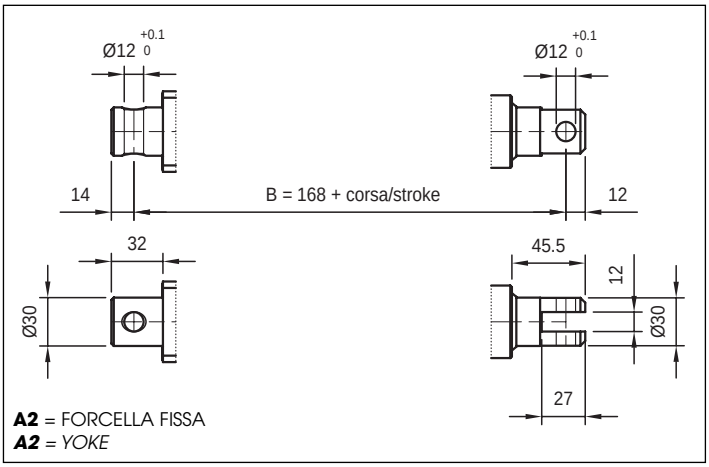
DIMENSIONI MOTORI C.A. / A.C. MOTORS DIMENSIONS						
GR. / SIZE	VERSIONE / TYPE	H	K	Ø	P	Y
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	Autofrenante / Brake motors		234			
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Attacchi anteriori

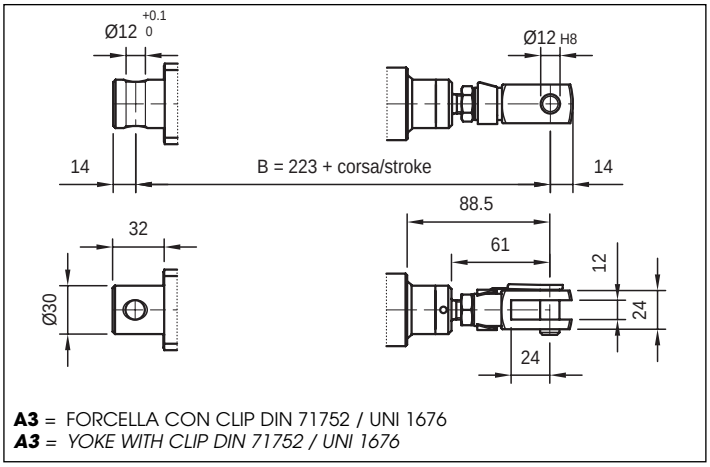
Front ends



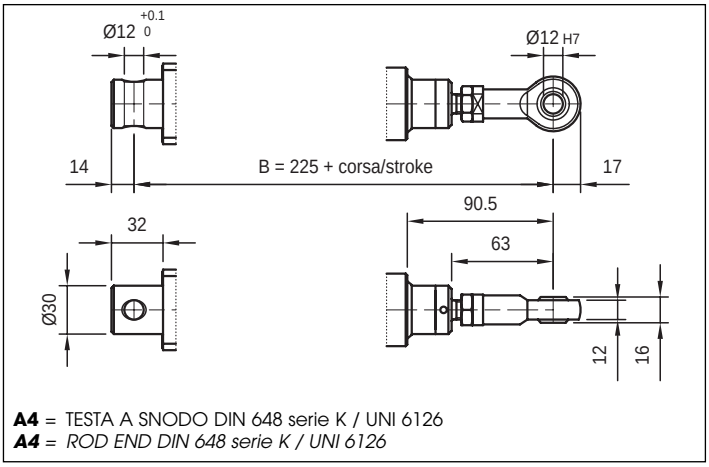
A1 = OCCHIO (STANDARD)
A1 = *EYELET (STANDARD)*



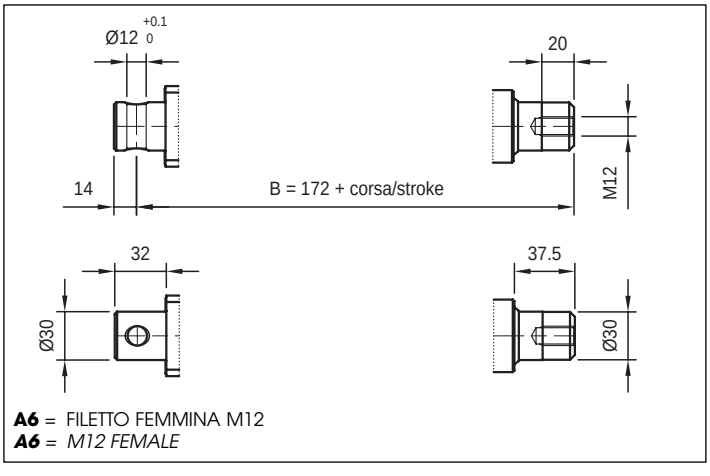
A2 = FORCELLA FISSA
A2 = *YOKE*



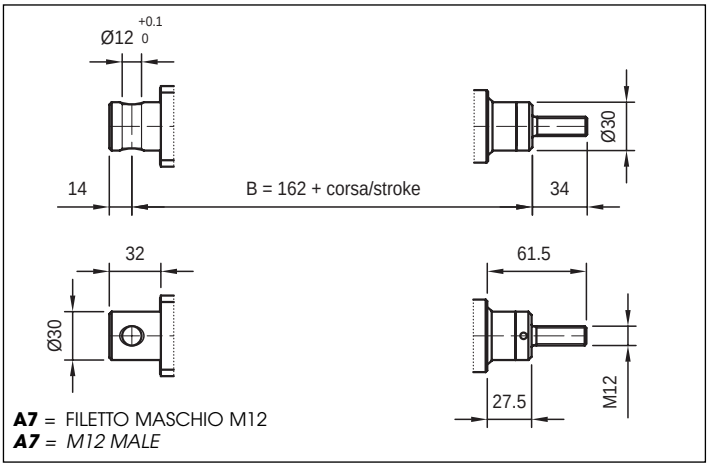
A3 = FORCELLA CON CLIP DIN 71752 / UNI 1676
A3 = *YOKE WITH CLIP DIN 71752 / UNI 1676*



A4 = TESTA A SNODO DIN 648 serie K / UNI 6126
A4 = *ROD END DIN 648 serie K / UNI 6126*



A6 = FILETTO FEMMINA M12
A6 = *M12 FEMALE*



A7 = FILETTO MASCHIO M12
A7 = *M12 MALE*

N.B.: Variazioni quota "B" in base al modello

Note: *"B" dimension variations depending on model*

ECV1 = Vedi figure / *See pictures*

ECV1-F = + 30 mm

ECV1-FCM = + 42,5 mm

ECV1-VRS = + 25 mm

ECV1-VRS-F = + 55 mm

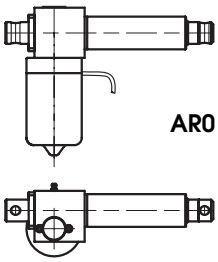
ECV1-VRS-FCM = + 53 mm

con chiocciola di sicurezza "G" aggiungere 30mm (Es. AV2-F opzione "G" = +30 +30)

with safety nut "G" add 30mm (i.e. AV2-F "G" option = +30 +30)

Dispositivo antirotazione

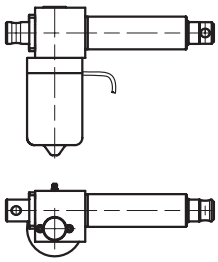
Nella famiglia ECV1 è possibile installare un dispositivo antirotazione che vincola le rotazioni dell'asta traslante attorno al proprio asse. Con l'attacco anteriore A1 ed A2 sono disponibili due versioni: AR0 con attacco anteriore nella posizione standard e AR1 con attacco anteriore ruotato di 90°. Nei casi di attacco A3, A4, A6 ed A7 è obbligatorio avere il dispositivo antirotazione. Perde di significato la distinzione in AR0 e AR1: in questo caso si riporta sempre AR0.



AR0 (Standard)

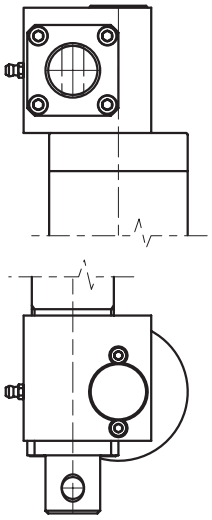
Antirotation device

Model ECV1 can host an antirotation device, allowing push rod not to spin when travelling. Front ends A1 and A2 allow for two antirotation settings, AR0 and AR1. When using A3, A4, A6 and A7 front ends antirotation facility must always be mounted, but it makes no sense to specify it as AR0 or AR1: so, AR0 is in these cases then chosen.

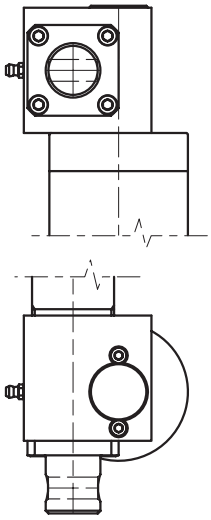


AR1

Attacco posteriore
Rear end

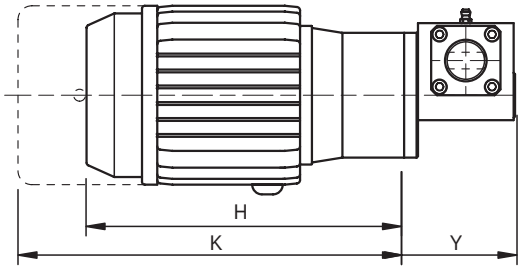


P1
(Standard)



P2
Ruotato di 90° / *90° Rotated*

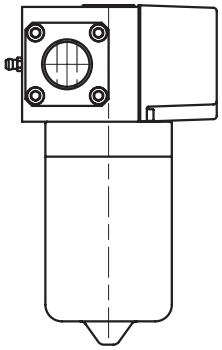
Opzione "S" (solo per versione C.A.)
Option "S" (only for A.C. version)



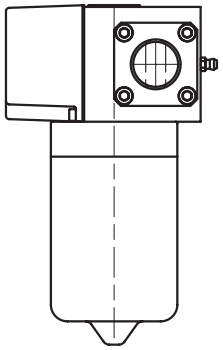
GR. MOTORE/ MOTORSIZE	VERSIONE / TYPE	H	K	Y
56	Standard	206.5		81
	Autofrenante / Brake motors		238.5	
63	Standard	229.5		80
	Autofrenante / Brake motors		278.5	
71	Standard	264.5		87
	Autofrenante / Brake motors		311.5	

N.B.: L'intervento della frizione è ad un valore pari al 150/160% del carico nominale.
Note: *clutch reacts at 150-160% of nominal load.*

Orientamento fine corsa
Limit switches side

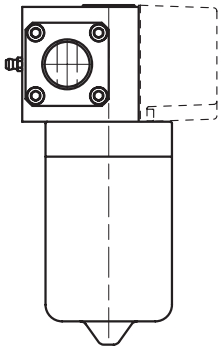


FC1
(Standard)

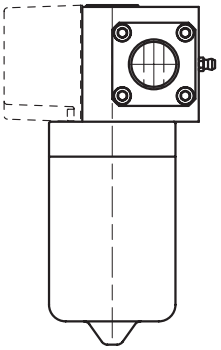


FC2

Orientamento motore
Motor side

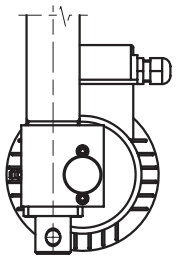


M0 (Standard)
(solo FC1 / *FC1 only)*

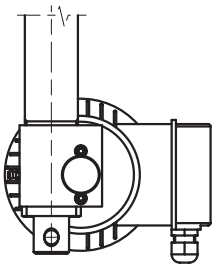


M1
(solo FC2 / *FC2 only)*

Orientamento morsettiera

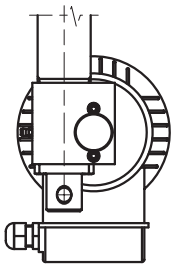


1 (Standard)

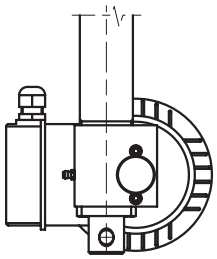


2

E-box side



3



4

Dispositivi Controllo Corsa Elettrici / Elettronici

Electric/Electronic Stroke Control Devices

Fine corsa

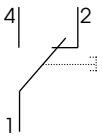
Limit switches

Prestazioni / *Performances*	**Tipo / Type**
	XGG
Tensione / *Voltage*	230 Vac / 30 Vdc
Carico resistivo / *Resistive load*	16 A
Carico motore / *Motor load*	6 A

Caratteristiche tecniche micro

Le caratteristiche dei microinterruttori di finecorsa montati sono le seguenti:

- Alloggiamento: resina fenolica/melaminica termosaldata
- Meccanismo: azione a scatto con molla in bronzo/berillio. Un contatto in scambio NC/NO

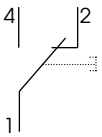


- Contatti: argento
- Terminali: dorati
- Vita meccanica: minimo $3x10^5$ azionamenti non impulsivi.

Switches technicals features

Limit Switches Features following:

- *Housing:* *Phoenolic-melamine thermosetting*
- *Mechanism:* *Snap-action coil spring mechanism with beryllium/bronze spring. Changeover, normally-closed / normally-open*



- *Contacts:* *fine silver*
- *Terminals:* *gold flashed*
- *Mechanical life:* *$3x10^5$ cycle minimum (impact free actuation).*

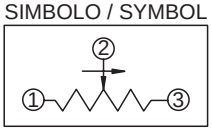
Potenziometro rotativo

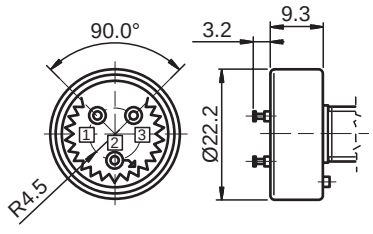
Spinning potentiometer

Prestazioni / *Performances*	**Tipo / Type (A) Standard**	**Tipo / Type (B) Speciale / Special**
Angolo max. di lavoro / *Max. angle*	340° ± 3°	352° ± 2°
Resistenza Ohm / *Resistance*	1K / 5K / 10K (standard)	1K / 5K / 10K (standard)
Alimentazione consigliata / *Voltage*	MAX 10 V	MAX 50 V
Linearità indipendente / *Indipendent linearity*	± 2%	± 1%
Tolleranza / *Tolerance*	± 20%	± 3%
Coefficente deriva termica / *Temperature coefficient of resistance*	600 ppm / °C	20 ppm / °C

A Versione / *Version*

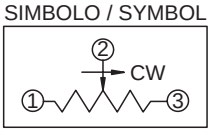
SIMBOLO / SYMBOL

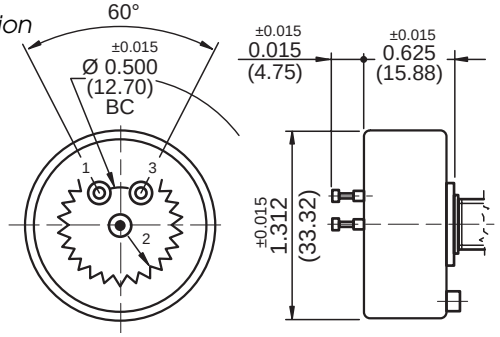




B Versione / *Version*

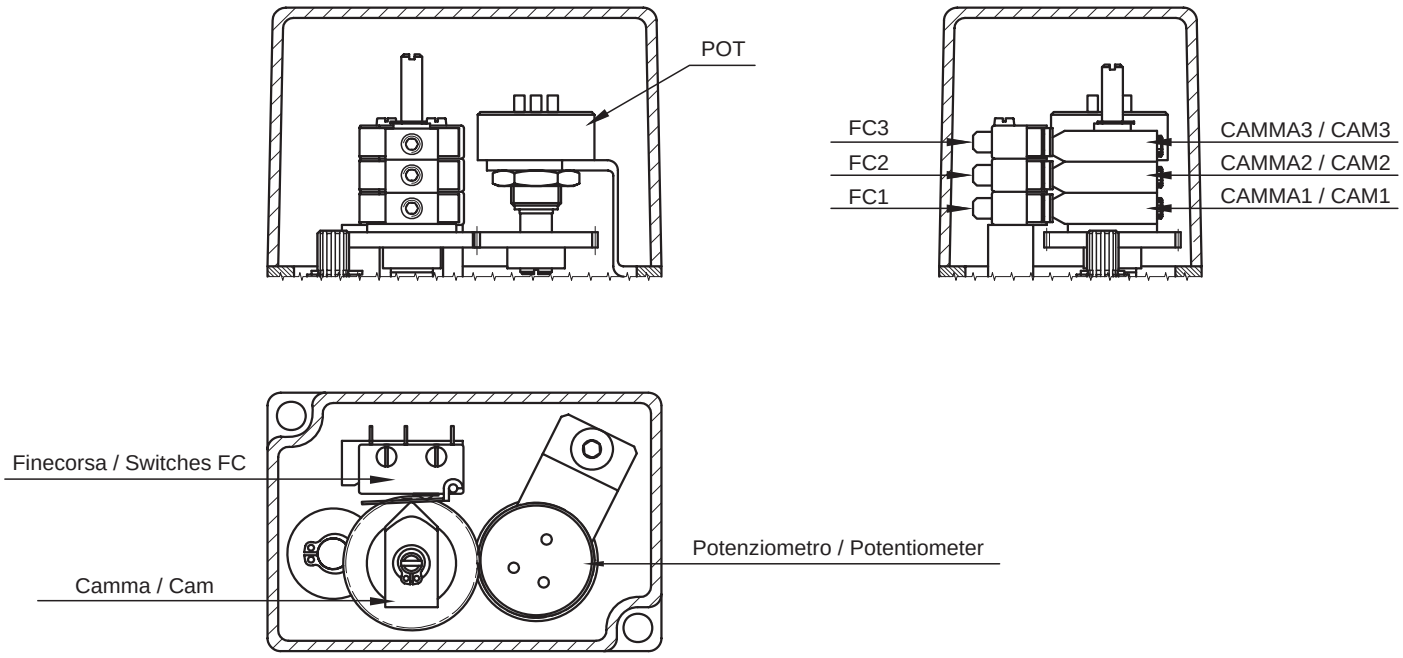
SIMBOLO / SYMBOL





Gruppo controllo corsa

Control devices group



FC 1 - micro inferiore
FC 2 - micro centrale
FC 3 - micro superiore
CAMMA 1 - camma inferiore
CAMMA 2 - camma centrale
CAMMA 3 - camma superiore
POT - potenziometro

FC 1 - lower microswitch
FC 2 - middle microswitch
FC 3 - upper microswitch
CAM 1 - lower cam
CAM 2 - middle cam
CAM 3 - upper cam
POT - potentiometer

N.B.: la combinazione fine corsa + potenziometro dev'essere valutata con il nostro Ufficio Tecnico.

Note: *microswitches + potentiometer version pls. ask our Technical Dept.*

Fine corsa magnetici FCM

Magnetic limit switches FCM

Prestazioni / *Performances*	**Tipo / Type**		
	DSM 1 H 425	**DSL 1 C 225**	**DSL 4 N 225**
Tensione in DC / *DC voltage*	3 / 110 V	3 / 30 V	6 / 30 V
Tensione in AC / *AC voltage*	3 / 110 V	3 / 30 V	/
Corrente a 25°C / *25°C Current*	0,5 A	0,1 A	0,20 A
Potenza / *Power*	20 VA	6 VA	4 W
Tempo inserzione / *ON time*	0,5 ms	0,5 ms	0,8 ms
Tempo disinserzione / *OFF time*	0,02 ms	0,1 ms	0,3 ms
Cavo alimentazione / *Supply cable*	PVC 2 x 0,14 mm	PVC 2 x 0,14 mm	PVC 3 x 0,14 mm
Lunghezza cavo / *Cablelenght*	2500 mm		
Protezione / *Protection*	IP67		

Circuito H (DSM)

Circuito con ampolla Reed normalmente chiusa protetta da varistore contro le sovratensioni generate all'apertura del circuito, e sistema di visualizzazione.

Circuit H (DSM)

Circuit with Reed switch normally closed protected by a varistor against overvoltages caused when switching off, with indicator.

Circuito N - PNP (DSL)

Circuito con effetto di Hall normalmente aperto con uscita PNP.
Protetto contro l'inversione di polarità e contro picchi di sovratensione.
LED GIALLO: presenza tensione (solo DSM). LED VERDE: carico inserito (LED giallo per DSL).

Circuit N - PNP (DSL)

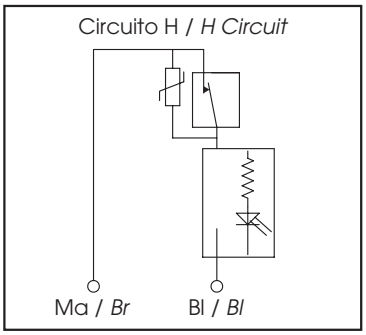
Circuit with Hall-effect switch normally open with outlet PNP, protections against overvoltages spikes and reverse of polarity.
Yellow LED: Voltage in (only for DSM). Green LED: Load in (yellow LED for DSL).

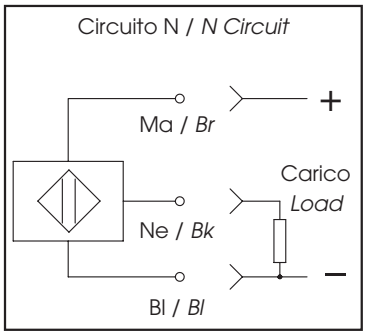
Circuito C (DSL)

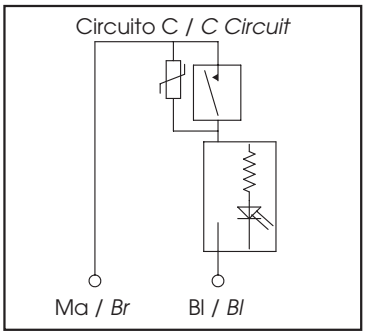
Circuito con ampolla Reed normalmente aperta, protetta da varistore contro le sovratensioni generate all'apertura del circuito, e sistema di visualizzazione.

Circuit C (DSL)

Circuit with Reed switch normally open protected by a varistor against overvoltages caused when switching off, with indicator.







Caratteristiche tecniche Encoder

Encoder incrementale bidirezionale con (standard) e senza impulso di zero IP54.
Impulsi giro disponibili: 50 / 100 / 200 / 400 / 500 / 512 / 1000 / **1024 (standard)** / 2000 / 2048
Circuiti d'uscita disponibili: Line Drive 5 Vdc (standard) / Push Pull 24 Vdc / Open Collector NPN 10 –30 Vdc / Open Collector PNP 10 –30 Vdc.

• Applicato sui motori in C.A.

Encoder technical specs

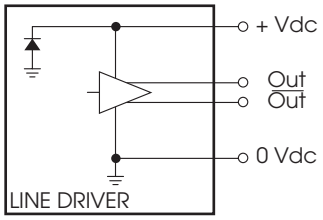
***Bidirectional incremental encoder**, with (standard) or without zero-pulse, protection IP54.*
***Available ppr:** 50 / 100 / 200 / 400 / 500 / 512 / 1000 / **1024 (standard)** / 2000 / 2048*
***Available output circuits: Line Drive 5 Vdc (standard)** / Push Pull 24 Vdc / Open Collector NPN 10 –30 Vdc / Open Collector PNP 10 –30 Vdc.*

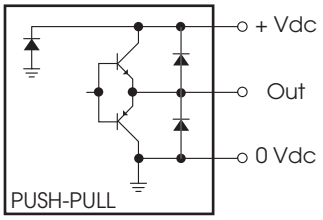
• *Incremental encoder installed directly on AC motors.*

Encoder

Encoder

Rosso / *Red*	÷Vdc
Nero / *Black*	0 Vdc
Verde / *Green*	A
Giallo / *Yellow*	B
Blu / *Blue*	Z
Marrone / *Brown*	-A
Arancione / *Orange*	-B
Bianco / *White*	-Z





Riferimento Sigla d'ordinazione

Fine Corsa Meccanici:

2FC2 = 2 Micro XGG
3FC2 = 3 Micro XGG

2FCD2 = 2 Micro XGG cablati con diodi
3FCD2 = 3 Micro XGG di cui 2 cablati con diodi

Solo per motori DC e per carichi fino a 6A di assorbimento

Fine Corsa Magnetici:

2FCM0= 2 Sensori DSM.1H — Versione Standard in assenza di indicazioni
2FCM1= 2 Sensori DSL.1C
2FCM2= 2 Sensori DSL.4N
3FCM0= 3 Sensori DSM.1H — Versione Standard in assenza di indicazioni
3FCM1= 3 Sensori DSL.1C
3FCM2= 3 Sensori DSL.4N

Potenziometri:

POT01A = 1 k Ohm
POT05A = 5 k Ohm
POT10A = 10 k Ohm — Versioni Standard

POT01B = 1 k Ohm
POT05B = 5 k Ohm
POT10B = 10 k Ohm — Versioni Speciali

Encoder:

E05 = Push Pull 1024 ppr
E06 = Line Drive 1024 ppr — Versione Standard
E07 = Open Collector NPN
E08 = Open Collector PNP

Solo su Motore C.A.

E09 = Push Pull 1024 ppr
E10 = Line Drive 1024 ppr
E11 = Open Collector NPN
E12 = Open Collector PNP

Solo su Cassa Attuatore

E13 = Encoder non contemplato
(indicare le caratteristiche nel disegno d'assieme)

Ordering Key references

Mechanical limit switches:

2FC2 = 2 Microswitches XGG
3FC2 = 3 Microswitches XGG

2FCD2 =2 XGG Microswitches diode-wired
3FCD2 = 3 XGG Microswitches, 2 of them diode-wired

For DC motors only and for loads up to 6A

Magnetic limit switches:

2FCM0= 2 Sensors DSM.1H — Standard Version without prior information
2FCM1= 2 Sensors DSL.1C
2FCM2= 2 Sensors DSL.4N
3FCM0= 3 Sensors DSM.1H — Standard Version without prior information
3FCM1= 3 Sensors DSL.1C
3FCM2= 3 Sensors DSL.4N

Potentiometer:

POT01A = 1 k Ohm
POT05A = 5 k Ohm
POT10A = 10 k Ohm — *Standard Versions*

POT01B = 1 k Ohm
POT05B = 5 k Ohm
POT10B = 10 k Ohm — *Specials Versions*

Encoder:

E05 = Push Pull 1024 ppr
E06 = Line Drive 1024 ppr — Standard Version
E07 = Open Collector NPN
E08 = Open Collector PNP

With AC motor only

E09 = Push Pull 1024 ppr
E10 = Line Drive 1024 ppr
E11 = Open Collector NPN
E12 = Open Collector PNP

On actuator case only

E13 = Special encoder
(advise features in drawing)

Guida alla scelta della motorizzazione - *Motor choice guideline*

TIPO MOTORE / *MOTOR TYPE*

Versione / *Version*: **CC** = corrente continua / ***DC*** = *direct current*
CA = corrente alternata / ***AC*** = *alternate current*
PD = PAM a disegno / *Special motorflange (provide drawing)*

Tensione / *Voltage:* CC / *DC* = V12 /V24 / V36 /V48
CA / *AC* = 230/400/50 – 190/330/50 – 208/360/50 – 400/690/50
277/480/60 – 220/380/60 – 254/440/60 – 480/830/60 - **MT** = Multitensione / *Multivoltage*
230/50 (monofase / *1-phase*)

Tipo / *Type:*
(Solo per CA / *only for AC)*
T = trifase / *3-phase*
M = monofase / *1-phase*
AT = trifase autofrenante / *3-phase with brake*
AM = monofase autofrenante / *1-phase with brake*
ME = monofase con condensatore elettronico / *1-phase whit starting capacitor*
AE = monofase con condensatore elettronico autofr. / *1-phase with brake and starting capacitor*

Grandezza / *Size:* CC / *DC:* D.76 / D.90
CA / *AC:* IEC 56 / 63 / 71

N° Poli / *Poles:* **CA / *AC:*** 2 / 4
N° Giri / *RPM's:* **CC / *DC:* 3000** RPM / 4000 RPM / 5000 RPM

Potenza CA / *AC Power:* kW

	kW trifase / 3-phase			kW monofase / 1-phase		
IEC *IEC*	**2POLI** *2POLES*	**4POLI** *4POLES*	**6POLI** *6POLES*	**2POLI** *2POLES*	**4POLI** *4POLES*	**6POLI** *6POLES*
56	0,09 / 0,13	0,06 / 0,09 / 0,11		0,08 / 0,12	0,09 / 0,11	
63	0,18 / 0,25 / 0,37	0,13 / 0,18 / 0,22		0,18 / 0,25	0,12 / 0,18 / 0,22	
71	0,37	0,25 / 0,37		0,37	0,25 / 0,37	

VARIANTI MOTORE / *MOTOR OPTIONALS*

Flangia tipo / *Motorflange type:* PAM56B14 / PAM63B14 / PAM71B14

Tipo servizio / *Service rate:* **S1 / S2 / S3**

Classe isolamento / *Insulation class:* **F** = standard **(non indicare)** / *standard* ***(leave blank)***
Specificare solo se diversa / *Advise only if different than "F"*

Grado Protezione / *Degree protection*: **IP55** standard (non indicare / *leave blank*)
IP65
TP = tropicalizzato / *tropicalization*

Freno / *Brake*: **FECC** = freno elettromagnetico in CC / *DC brake*
FECA = freno elettromagnetico in CA / *AC brake*
SENZA = omettere / **NO BRAKE** = *leave blank*

Opzioni / *Options*: **LS** = leva sblocco / *hand release lever* (non indicare / *leave blank*)
N.B.: non disponibile per motori IEC 56 / ***Note:*** *not available for motor IEC 56*
AB = albero bisporgente / *2' shaft*
IN = avvolgimento per inverter / *winding for inverters*
ALTRO / *OTHER* = indicare per esteso / *advise*
SENZA / *NONE* = omettere / *leave blank*

SIGLA DI ORDINAZIONE - *ORDERING KEY*

ECV1 / 0250 / M01 / CA-400/50 - T-56-4-0,09 / B5+S1+AB / FC1 / M0 / 1 / EO / 2FC0 / POT01A / IP65 / AR0 / P1 / A1 / A+B / N.DIS

MODELLO / *MODEL:*
ECV1 ECV1-VRS
ECV1-F ECV1-VRS-F
ECV1-FCM ECV1-VRS-FCM

CORSA / *STROKE:* mm
es. 250 mm = 0250

VELOCITÀ / *SPEED:* mm/s Pag. 79
Indicare: vedi tabelle
Advise: choose among
M00 = Velocità non contemplate / *Speed to be provided*
Versione PAM / *PAM Version:*
indicare Rapporto Riduzione + Passo Stelo
Advise reduction ratio and screw pitch

MOTORE / *MOTOR:* Pag. 92
Indicare solo con motore: / *Advise only if with motor:*
In C.A.: versione / tensione / tipo / grandezza / n° giri / potenza
version / voltage / type / size / Rpm / power
In C.C.: versione / tensione / grandezza / n° giri
version / voltage / size / Rpm
In versione predisposizione motore "PAM" indicare: 0
In version with motorflange only PAM: 0
In versione PAM a Disegno indicare: PD
In version with special motorflange: PD

VARIANTI MOTORE / *MOTOR OPTIONALS:* Pag. 92
Flangia motore: solo in versione PAM esempio PAM 56B14 indicare: 56B14
Motorflange: *Motorflange version only PAM advise size as 56B14: 56B14*
Senza motore o con motore in C.C.: Omettere tutti i parametri sottoindicati
No motor or DC motor: *leave all following parameters blank*
Tipo Servizio: Indicare se diverso da S3 (standard)
Service type: *Advise if different than S3 (standard)*
Classe isolamento: Indicare se diverso da F (standard)
Insulation class: *Advise if different than F (standard)*
Grado Protezione: Indicare se diverso da IP55 (standard)
Protection: *Advise if different than IP55 (standard)*
Tipo freno: solo se autofrenante: ES. FECA
Brake type: *for brakemotors only: ES. FECA*
Opzioni: Indicare se richiesto ES. AB= Albero Bisporgente
Options: *Advise if needed ES. AB= 2'shaft*

ORIENTAMENTO FINE CORSA / *LIMIT SWITCHES SIDE:* Pag. 87
Senza / *None*: Omettere / *Leave blank*
FC1 / FC2

ORIENTAMENTO MOTORE / *MOTOR SIDE:* Pag. 87
Senza / *None*: Omettere / *Leave blank*
M0 / M1

ORIENTAMENTO MORSETTIERA / *E-BOX SIDE:* Pag. 88
1 (Standard), 2, 3, 4
Senza Motore o Motore in CC / *No Motor or DC Motor:* Omettere / *Leave blank*

TIPO ENCODER / *ENCODER TYPE:* Pag. 91
Senza / *None*: Omettere / *Leave blank*

FINE CORSA / *LIMIT SWITCHES:* Pag. 91
Senza / *None*: Omettere / *Leave blank*

POTENZIOMETRO / *POTENTIOMETER:* Pag. 91
Senza / *None*: Omettere / *Leave blank*

GRADO PROTEZIONE / *PROTECTION CLASS:*
IP50 (Standard): Omettere / *Leave blank*
IP65
AA = Allestimento Acciaierie / *Steel works*
Altro / *Other:* Specificare / *Advise*

DISPOSITIVO ANTIROTAZIONE / *ANTIROTATION DEVICE:* Pag. 87
Senza / *None:* Omettere / *Leave blank*
AR0: Standard
AR1: 90°

ATTACCO POSTERIORE / *REAR END:* Pag. 87
P0 = Senza / *None*
P1 = Occhio / *Eyelet (standard)*
P2 = Occhio / *Eyelet (90°)*
P3 = Attacco a Disegno / *Special (provide drawing)*

ATTACCO ANTERIORE / *FRONT END:* Pag. 86
A0 = Senza / *None*
A1 = Occhio / *Eyelet (Standard)*
A2 = Forcella Fissa / *Yoke*
A3 = Forcella + Clip / *Yoke + Clip*
A4 = Testa a Snodo / *Rod end*
A6 = Filetto Femmina M12 / *M12 female*
A7 = Filetto Maschio M12 / *M12 male*
A9 = Attacco a Disegno / *Special (provide drawing)*

OPZIONI / *OPTIONS:*
Senza / *None:* Omettere / *Leave blank*
A = Versione Inox (asta, attacco anteriore) / *Stainless steel version (rod, front end)*
C = Vite Scoperta / *Naked Screw*
D = Ruota in Bronzo / *Bronze wheel*
E = Guarnizioni in Viton / *Viton joints*
F = Verniciatura / *Painting*
G = Chiocciola di Sicurezza (vedere nota pag. 86) / *Safety nut (see note pag. 86)*
L = Antirotazione / *Anti-rotation device*
S = Limitatore di coppia su asse motore (pag. 87) / *Torque limiter on motor flange (pag. 87)*
T = Sporgenza albero opposta motore (solo Vac) / *Additional shaft (opposite to motorside - Vac only)*

VARIANTI / *VERSIONS:*
N° Disegno / *Drawing number:* Per Condizioni non Contemplate / *Drawing to be provided*
Senza / *None:* Omettere / *Leave blank*

note

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