



- Permanent magnet DC motor 12-24 V
- Steel cross gearbox
- Steel ACME lead screw
- Chrome plated steel push rod
- Grease lubricated
- IP65, tested according to rule CEI EN 60529
- Working temperature range -10°C +60°C
- Encoder on request
- Limit-switch on request



HP5 (Vdc)									
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor speed (rpm)	Max Current for F max (A) 24Vdc **	Fs % base 5 min.			
15000	2	M01	59	3400	6	30			
10000	4	M02	63	3400	6	30			
15000	3	M03	59	4900	9	10			
10000	5,5	M04	63	4900	9	10			
4000	20	M05	63	6000	10	10			

When the stroke is longer than 350mm, check the STROKE SETUP section.

** For 12 Vdc power supply currents are doubled and loads are 20% lower.

BEFORE OPERATING ACTUATOR MAKE SURE YOU READ AND UNDERSTOOD BASIC OPERATIONAL INSTRUCTIONS SHOWN ON USERMANUALS, AVAILABLE FROM WEBSITE.

THIS DOCUMENT DISPLAYS MOST TYPICAL STANDARD FEATURES AND SETUPS: CONTACT OUR OFFICES FOR MORE. ACTUATOR SHALL NOT COME TO MECHANICAL STROKE-END, TO AVOID FAILURES. CONSIDER MECVEL'S LIMITSWITCHES (MODEL ALI2-F or ALI2-FCM) OR PUT THEM ON MACHINE/FRAME.







VERSION WITHOUT LIMIT-SWITCH





STROKE SETUP

- Useful tips for handling stroke and avoid run-on-block collision.
 When stroke is more than 350 mm, add 50 mm extra-stroke as guidance, and put corresponding value in ordering-key.
 WARNING SPEED-TIMING ALONG STROKELENGHT: ramps are extremely important when speed is >30 mm/s!!! Inverter or PWM drive recommended!
- The more speed raises the more extra stroke has to raise too.



BUCKLING

When stroke is longer than 500mm, BUCKLING can be a risk: please check mounting with our offices and/or see usermanuals.



IMPORTANT:

Long strokes, even if load is low, can generate significant buckling momentums, as sketch slows. This happens when actuator is in its all-opened position: that's the reason why we recommend 100 mm extra-stroke. Pushtube will have this100 mm-portion always inside the overtube, improving guidance against buckling.

For more information on this, contact our office.

HP5



ORDERINH KEY

HP5/0250/M02/CC-24-63-3400/FECC/E01/P1/A1/A+L/

1	1 3/0230/1002/00	-24-03-3400/11			· • ·				
MODEL									
HP5									
CTROKE									
es. 250 mm = 0250									
VERSION									
M01 / M02 / M03 / M04 / M05									
M00 = Not standard speed									
MOTOR									
Indicate version voltage type size rom									
indicate version, voltage, type, size, ipin									
			_						
FECC AS-24 Vdc: brake with separated power supply	FECC AS-24 Vdc: brake with separated power supply								
None: Leave blank									
ENCODER									
Options pg.76 None: Leave blank									
REAR END									
P0 without end (available only with OP option)									
P1 evelet (standard)									
P2 evelet90°	2velet90°								
P3 special rear and (technical drawing needed)									
15 special real end (technical drawing needed)									
AQ without and									
Al eyelet									
A3 yoke + clip									
A4 ball joint									
A7 male M20x1,5									
A9 special front end (technical drawing needed)									
OPTIONS]				
A stainless steel version (push rod and front end)									
FCD diode-wired mechanical limit switches	diode-wired mechanical limit switches								
FCM magnetic limit switches									
EX anti correction protective painting									
anti-conosion protective painting									
OP swiveling version									

VARIANTS

Drawing Nr.

