

ECH75-20 TYPE

Solenoid protection rate: IP40
 Connector protection rate: IP65 (EN60529)
 Insulation class: B (130°C)
 Cycle duration: 5minutes
 Standard stroke "s": 20mm
 Temperature rise: " ΔV_{31} " 70°C
 Work: Pull/Push
 Incorporated return spring: just under demand

Duty-cycle ED(%)	100	40	25	15	5
Abs. Power at 20°C (W)	48	110	165	265	755
Minimum force (N)	57	93	114	150	258
Max time under voltage(s)	∞	120	75	45	15
Plunger weight (g)	375				
Solenoid weight (kg)	3				

Duty-cycle	Standard voltages									Under demand voltages				
ED%	VDC								VAC		VDC		VAC	
	6	12	24	48	100	125	205	110	230	Min	Max	Min	Max	
100%	x	o	o	o	o	o	o	o	o	12	250	30	230	
40%	x	x	o	o	o	o	o	o	o	17	250	70	230	
25%	x	x	o	o	o	o	o	o	o	21	250	105	230	
15%	x	x	o	o	o	o	o	x	o	24	250	170	230	
5%	x	x	x	o	o	o	o	x	x	37	250	x	x	

Layout: o = Available ; x = Unavailable



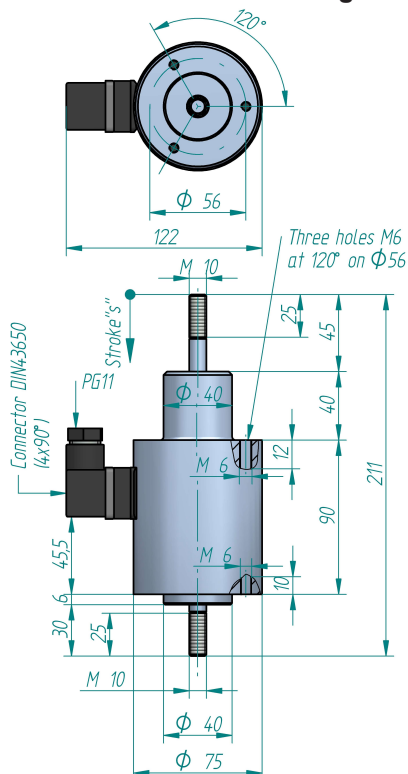
Model with spring:



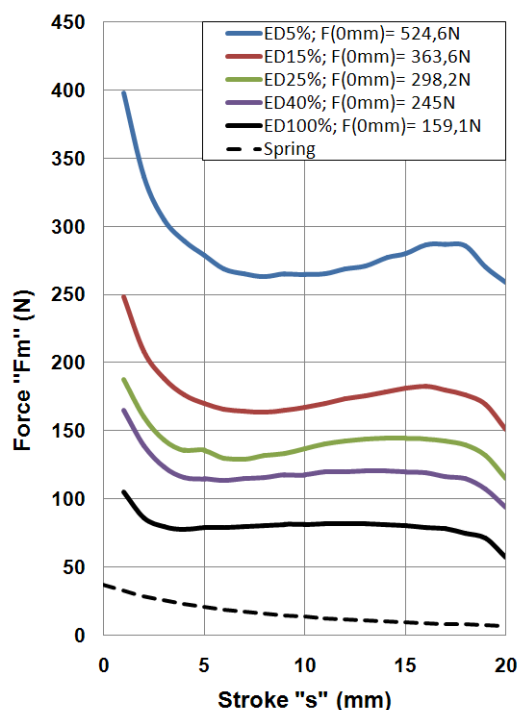
Reference:
ECH75-20-V ED-%-RS

- 1) Under demand voltage:
They can be manufactured at any voltage between the maximum and minimum voltage values shown in the chart.
- 2) To feed in altern current the solenoid will have a rectifier incorporated in the connector.
- 3) The duty-cycles described in the chart are standard, they can be manufactured in any intermediate cycle.
- 4) If any variation from the original is needed, please ask us.
- 5) Earthing is recommended if the metallic parts are accessible.

Solenoid without voltage



Force-stroke curve



Calculation of the effective force: see documents 1.1 & 3.0

Ordering code: ECH75-20/C --V ED---%

Example: Standard Voltage:24Vdc Duty- cycle: ED100%: With spring: ECH75-20/C 24Vdc ED100% RS
 Standard Voltage:48Vdc Duty- cycle: ED15%: Without spring: ECH75-20/C 48Vdc ED15% RN