

ECR90-25 TYPE

Solenoid protection rate: IP40(EN60529)
Insulation class: B (130°C)
Cycle duration: 5 minutes
Standard stroke "s": 25 mm
Temperature rise: "ΔV₃₁" 70°C
Work: pull/push
Incorporated return spring: NO



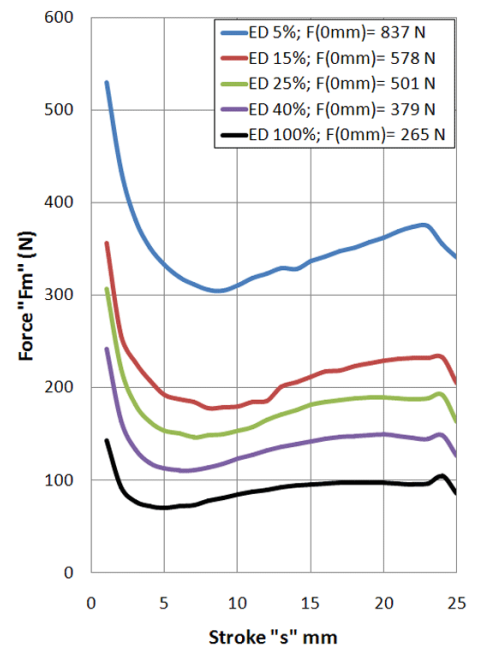
Duty-cycle ED(%)	100	40	25	15	5
Abs. Power at 20°C (W)	55	125	190	300	900
Minimum force (N)	70	111	146	178	305
Max time under voltage(s)	∞	120	75	45	15
Plunger weight (g)	900				
Solenoid weight (Kg)	8.5				

Duty-cycle ED%	Standard voltages								Under demand voltages				
	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	x	x	12	250	x	x
40%	x	x	o	o	o	o	o	x	x	24	250	x	x
25%	x	x	o	o	o	o	o	x	x	24	250	x	x
15%	x	x	o	o	o	o	o	x	x	24	250	x	x
5%	x	x	o	o	o	o	o	x	x	24	250	x	x

Layout: o = Available ; x = Unavailable

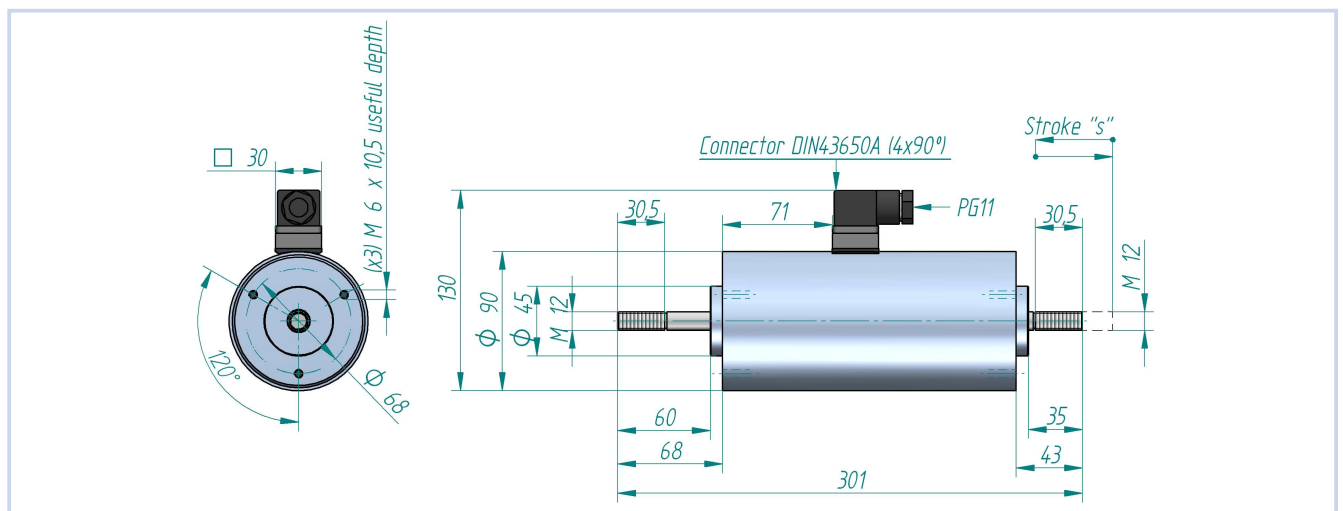
- 1) Voltage under demand: They can be manufactured at any voltage between the maximum and minimum voltage values shown in the chart.
- 2) To feed in alternating current, there has to be an external rectification of the signal.
- 3) The duty-cycles described in the chart are standard, they can be manufactured 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.

Force-stroke curve



Calculation of the effective force: see pages 1 and 72

Solenoid under voltage



For fixation of the solenoid: see page 72

Ordering code: ECR90-25 --V ED---%

Example: Standard voltage:24Vdc Duty-cycle: ED100%: ECR90-25 24Vdc ED100%
Standard voltage:48Vdc Duty-cycle: ED15%: ECR90-25 48Vdc ED15%