

## ECR40-07 TYPE

Solenoid protection rate: IP40(EN60529)  
Insulation class: B (130°C)  
Cycle duration: 5 minutes  
Standard stroke "s": 7 mm  
Temperature rise: "ΔV<sub>31</sub>" 70°C  
Work: pull/push  
Incorporated return spring: NO



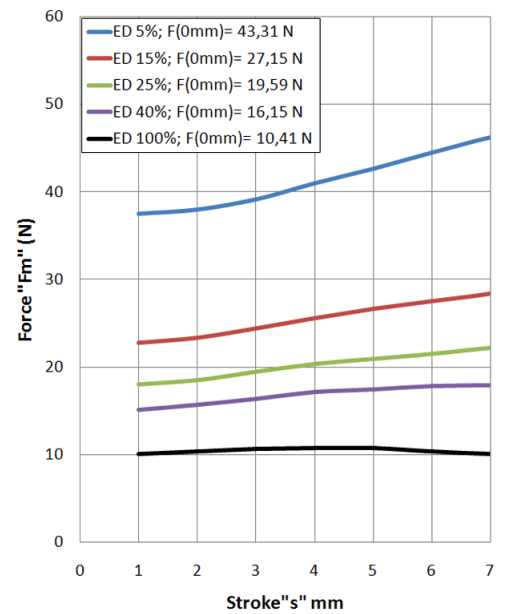
Duty-cycle ED(%)	100	40	25	15	5
Abs. Power at 20°C (W)	13	30	45	75	210
Minimum force (N)	10	15	18	22	37
Max time under voltage(s)	∞	120	75	45	15
Plunger weight (g)	140				
Solenoid weight (Kg)	0.8				

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%	o	o	o	o	o	o	o	x	x	5	250	x	x
40%	o	o	o	o	o	o	o	x	x	6	250	x	x
25%	x	o	o	o	o	o	o	x	x	9	250	x	x
15%	x	o	o	o	o	o	o	x	x	9	250	x	x
5%	x	o	o	o	o	o	o	x	x	12	250	x	x

Lay out: o = Available ; x = Unavailable

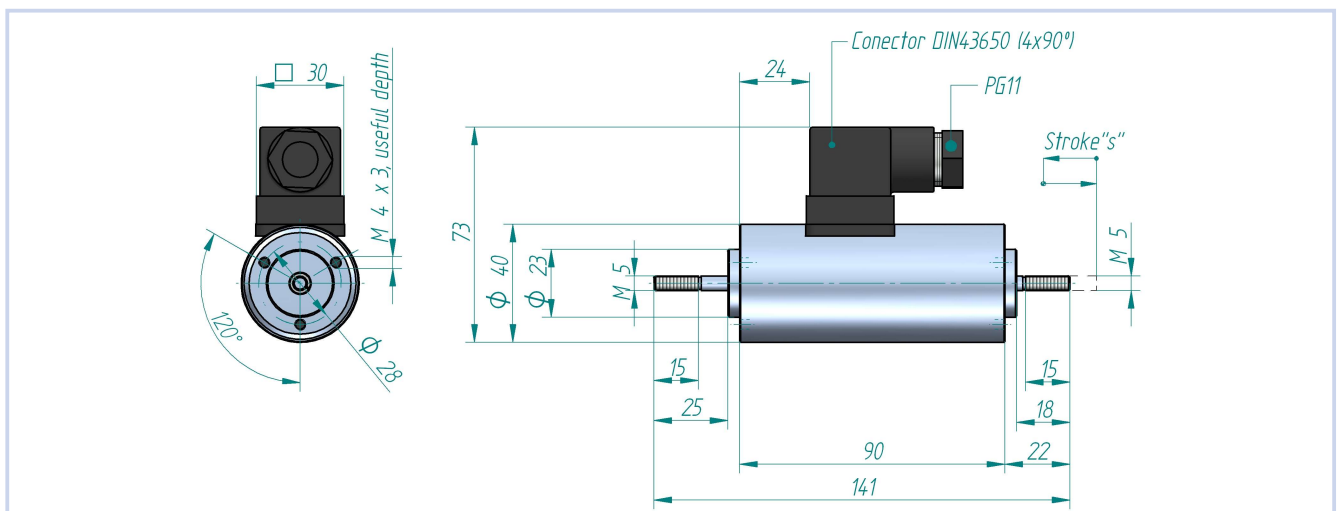
- 1) Voltage under demand: They can be manufactured at any voltage between the maximum and minimum voltage values shown in the chart.
- 2) To feed in alternating current, there has to be an external rectification of the signal.
- 3) The duty-cycles described in the chart are standard, they can be manufactured 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:** ECR40-07 --V ED---%

Example: Standard voltage:24Vdc Duty-cycle: ED100%: ECR40-07 24Vdc ED100%  
Standard voltage:12Vdc Duty-cycle: ED15%: ECR40-07 12Vdc ED15%