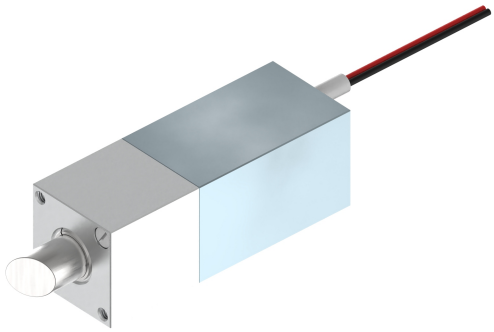
• CU 20/CPB TYPE

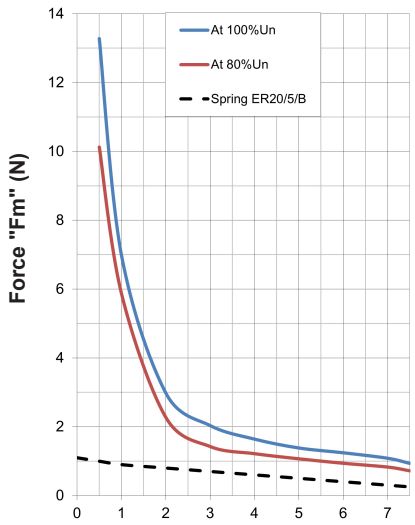
Based on CU20CP model, it is a bistable locking bolt where the movement from initial (unlocked) to final position (locked) is made by electromagnetic forces. The return to initial position takes place by an inverse polarizing pulse combined with external forces or by an incorporated spring.

The bistable solenoid has two working and mantained positions without voltage. One will be held by a permanent magnet system and the other one by a return spring or external forces. The bolt has a slip with anti-rotation system and frontal, rear and lateral fixations, and the guide has been reinforced for a correct performance in case of radial stress.

Protection rate: **IP40**
Insulation class: **Y (90ºC)**
Voltages under demand: **VDC (3, 3,6; 5; 6; 9:12; 24; 48)**
Duty-cycle (ED%): **25%**
Abs. power at 20ºC: **12W (ED25%)**
Standard stroke "s": **7.5±0.3mm**
Plunger weight (Kg): **0.019**
Locking bolt weight (Kg): **0.090**
Minimum pulse time: **20ms**
Incorportaed return spring: **YES**
Maximum radial stress (N): **2000N (assemble A)**
Maximum radial stress (N): **750N (assemble B)**



Force-stroke curve



Assembly A:

With lateral guided

Assembly B:

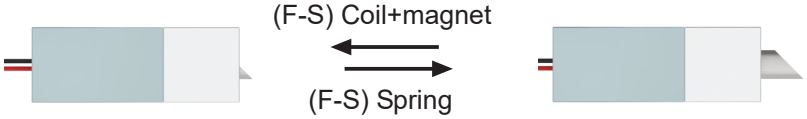
Work depending on the feeding mode:

Unlocked position (held by magnet 15N)

Red cable: +Vdc
Black cable: -Vdc

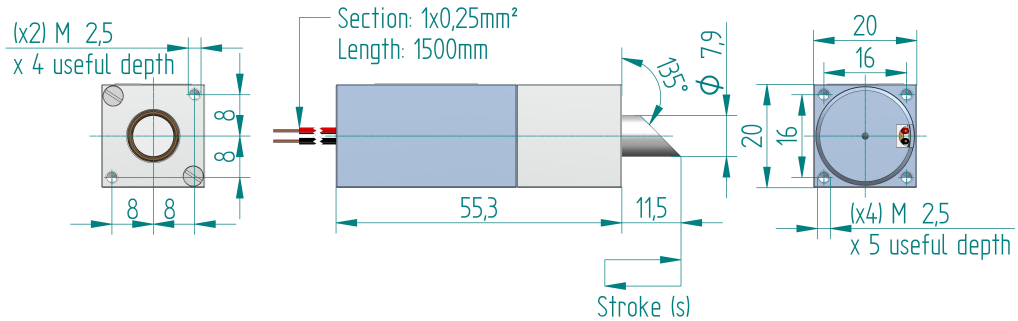
Locked position (held by spring 0.25N)

Red cable: -Vdc
Black cable: +Vdc



F-S:Force-stroke

Solenoid without voltage (s= 7.5mm position)



Ordering code: *CU20/CPB--V ED25%*
Voltage: 24Vdc ED25%: CU20/CPB 24Vdc ED25%
Voltage: 12Vdc ED25%: CU20/CPB 12Vdc ED25%