TECHNICAL DATA CRP/M-EP ELECTRO-PNEUMATIC POSITIONER

TECHNICAL FEATURES	
- Input signal	4 to 20 mA (4 to 12 mA / 12 to 20 mA as optional)
- Air supply pressure	200 to 700 kPa (2 to 7 barg)
- Operating temperature	-10 to +70°C(upon request, wide temperature ranges are available)
- Storage temperature	-40 to +80°C
- Standard cams	with 3 strokes (linear characteristics) with direct or reversed action 4 to 20mA operating angle 0 to 90° 4 to 20mA operating angle 0 to 65° 4 to 12 or 12 to 20mA operating angle 0 to 90°
- Sensitivity	≤0.3% on the whole stroke
- Accuracy (linearity and hysteresis)	≤1.5%
- Maximum air flow rate	18 Nm^3/h (measured with air supply pressure of 600kPa)
- Air consumption (cylinder chambers balanced with air supply pressure of 600 kPa)	0.7 Nm^3/h for low-flow spool valve (LF) 1.3 Nm^3/h for high-flow spool valve (HF)
- Approximate operating time (unloaded)	1.5 seconds per each cylinder's volume liter with LF spool valve 1 seconds per each cylinder's volume liter with HF spool valve
CONNECTIONS	
- Supply and output signals	1/4" NPT F
- Pressure gauges (on signal and 2 outputs)	1/8" NPT F (on signal and on 2 outputs)
- Electrical signal	1/2" NPT F
MATERIALS OF CONSTRUCTION	
- Positioner's box	Rinyte™
- Cover	Polycarbonate
- Cam	Hostaform
- Spool valve	Brass/Stainless steel
- Diaphragm	Nitrilic rubber
- Positioner's body	Anodised alluminium
- Electro-pneumatic transducer's housing	Anodised alluminium
TOTAL WEIGHT	≅ 1.9 kg
OPTIONAL ACCESSORIES	
- Air-lock devices	
- Pressure gauges	
- Alterable cams	
- Stainless-steel spool valve	
- Shaft and connection according to regulation VDI/VDE 3845	
FEATURES OF ELECTRO-PNEUMATIC TRANSDUCER	
- Input resistance	Ri= 170 Ohm at 20°C, Tk + 0.4%1K
- Capacitance	negligible
- Vibration effect	≤ 1%, a ≤10 g, f = 10…80 Hz, d max = 0.5 mm
- Effect RFI/EMI	Not measurable
- Safety rules	Certificate Cenelec Eexia IIC T6 (upon request further certifications are available)
- Supply pressure effect	0.5% /100 Kpa/ bar for 300 to 700Kpa (3 to 7 bar)
- Protection degree	IP 65