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PRODUCT: HS.211.20 **DESCRIPTION:** Injector GENERAL CHARACTERISTICS: LPG - CNG Handled fluid This document shall not be in any way utilized for the manufacture of the component herein illustrated and -15°C to +80°C Handled fluid temp. range: L_oC -20°C to +100°C Operating temperature range: (enviroment) [°C] Liquid phase filtration ratio requirement: min. 10µ Gaseous phase filtration ratio requirement: min. 80µ not required Lubrication Max.operating freguency: (@1 bar - 20°C - 1,5 ms. peak time) >500 MI. Cycles Product life expectancy: (@1bar rel. w ith air) 15 cc/h Leakage: (max.) IP protection ratio IP65 Pressure: (@12Vdc) 1,0 - 2,0 Typical working pressure [bar rel.] 0,5 - 3,0Handled pressure (counter pressure included) [bar rel.] Classification pressure (R67-R110 class2) fbar rel. 4,5 1,00 2,00 [bar rel.] Flow Rate: (@typical working pressure) 88 ±5% 132 ±5% [Slm] (1 Static Flow rate: (with air) 142 ±5% [Nlm] 94.8 ±5% 1,896 ±5% 2,844 ±5% [g/s Response time: (@ 12Vdc with air) [bar rel.] 1,00 2,00 Opening response time: (@12 Vdc,25Hz.) (2) [ms] 1,00 ±0,20 1,10 ±0,20 1,00 ±0,20 0,85 ±0,20 Closing response time: (2) Pressure resp.time from P=0 to P=max: 500 500 ſμs Pressure resp.time from P=max to P=0: 500 500 [µs **ELECTRICAL CHARACTERISTICS:** Ref. Drawing code 544.000 C Electrical control: Coil resistance: (@20°C) [Ω 2 ±5% [Vdc] Speed-up voltage range 10 to 14 [Vdc 6,0 (@ 1bar-2,5ms. Peak time) Min.Functional voltage: (@20°C) 6,5 (@ 2bar-3,0ms. Peak time) [Vdc Peak & Hold characteristics: (typical) [ms.] 2,0 (from 0,5 to 1,5 bar rel.) Typical Speed-up Time: (@ 12Vcoil - 20°C - 50hz.) G Senza autorizzazione scritta il presente documento non potra' essere utilizzato di guanto rappresentato ne (Stated values should be modified considering variations of pressure, [ms. 2,5 (from 1,5 to 2,0 bar rel.) temperature, voltage) 3,0 (from 2,0 to 3,0 bar rel.) venire comunicato a terzi o riprodotto. la Societa' proprietaria tutela i propri diritti a rigore di legge Speed-up current: (@ 12Vdc) [Amp. ≤ 6 0.8 Holding current: [Amp. **MECHANICAL CHARACTERISTICS & CONNECTION:** Dimensions Ref. Drawing code C21.052K Ref. Drawing code C21.052K Electrical connections: Ref. Drawing code C21.052K Pneumatic connections: Weight: ECE (UN Economic Commission for Europe) regulation compliance: 67R01 0298 ECE R67 approval: ECE R110 approval: 110R00 0135 (1) Instrument ref. to standard condition: T=0°C P=1 bar (2) Response time measured with accelerometer device CRONOLOGIA REVISIONE ZONA **REV DESCRIZIONE** DATA **APPROVATO** 20/11/2009 Ε update specs (validation test) prom4 04/02/2010 prom4 F updated values Descrizione **Technical Specification** Tolleranze espresse in μ m Description Tolerances are expressed in μ m **MATRIX** irma - Sian Visto - Check Data - Date \bigcirc Tolleranze generiche ISO 2768-fH 11.09.07 Unspecified tolerances Nuccio Barbero Prodotto-Product Materiale-Material Cod. Greggio Raggi non guotati HS.211.20 Code Blank N. CTF Tratt. superf.-Surface finish Smussi non quotati Cod. Semilavorato Cod. Semimachined Unmeasured corne Ar. Gest. Tratt. term.-Heat treatment Codice Angoli di spoglia Draft angle C21.051J Code

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