

## Technical Specification

Part number S142.0048  
Description 14-316E-0101H F140009 31MA 540 OHM

Drawing Nb. S142.0048 a  
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Document Nb. T142.0053 e

Item	Value
<b><u>CONSTRUCTION</u></b>	
Number of ways, function	3/2 NC proportionnelle
Operation	directe
Connection	nippel tuyau ø4
Orifice size, mm	1
Body material in contact with media	Alu, laiton nickelé et acier inox
Oper. material in contact with media	acier inox et laiton
Seal material in contact with media	HNBR / PA6
Fixing	2x M2.5 x 8 DIN 7500
Options	Voir plan S142.0048
Special	Voir plan S142.0048
Weight (with coil), gr	16 +/-2
<b><u>PERFORMANCE</u></b>	
Pressure range, bar	0 à 0.100
Media, type	air/oxygène
Temperature range, ambient °C	-10 à 50
Temperature range, media °C	-10 à 50
Flow Q, l/min	>1.4 @ 80 mbar (1-->2) / > 1.1 @ 80 mbar (2-->3)
Flow factor kv, l/min	>0.18 (1-->2) / >0.14 (2-->3)
Electrical response time, ON, msec	< 10 @ 21VDC @ 80 mbar @ 21°C
Electrical response time, OFF, msec	< 10 @ 21VDC @ 80 mbar @ 21°C
Life expectancy, cycles	> 10'000'000
Internal leakage	< 100 ml/min @ 80 mbar à 0 mA et à 31 mA
<b><u>ELECTRICAL FEATURES</u></b>	
Voltage/frequency, nominal, volt	24 DC
Power consumption, nominal, watt	1
Resistance, ohm	540 +/-5 %
Insulation class, °C	F155
Electrical insulation, volt	500 AC
Protection degree, IP	51
Duty cycle, %	50
Connector, type	Voir plan S142.0048
Electrical connection	Voir plan S142.0048
<b><u>OTHER</u></b>	
Packing	livré dans une poche fermée hors poussière
Courant débit max atteint à 21 VDC@50°C, mA	31
Courant d'ouverture, mA	17.5 +/-3 @ 0.2 l/min @ 80 mbar
Tension / fréquence max, volt	30 DC