Service unit combination
MSB4

Part number: 531029



Data sheet

Feature	Value
Size	4
Series	MS
Type of actuation	Electrical Manual Pneumatic
Actuator lock	Rotary knob with integrated lock
Mounting position	Any Vertical +/-5°
Grade of filtration	0.01 µm...40 µm
Condensate drain	Fully automatic Manual, rotating Semi-automatic
Design	Branching module Activated carbon filter Pressure regulator with pressure gauge Soft-start valve On/off valve Fibre filter Filter regulator with pressure gauge Filter regulator without pressure gauge Membrane air dryer Proportional standard mist lubricator Sintered filter with centrifugal separator With non-return function
Controller function	Output pressure constant With primary pressure compensation With secondary exhausting With return flow function
Bowl guard	Plastic bowl guard
Differential pressure display	Visual indicator With pressure sensor
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure sensor With pressure gauge
Operating pressure	1.5 bar...14 bar
Pressure regulation range	1 bar...12 bar
Standard nominal flow rate (standardised to DIN 1343)	800 l/min...1400 l/min
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA 230 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA

Feature	Value
	24 V DC: 1.5 W 24 V DC: 1.8 W
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Explosion Protection Directive (ATEX) To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK EX instructions To UK RoHS instructions To UK regulations for electrical equipment
Explosion protection certification outside the EU	EPL Db (GB) EPL Dc (GB) EPL Gb (GB) EPL Gc (GB)
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 2 (UKEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX)
ATEX category gas	II 2G II 3G
ATEX category dust	II 2D II 3D
Explosion ignition protection type for gas	Ex h IIC T6 Gb X Ex nA IIC T4 X Gc
Explosion ignition protection type for dust	Ex h IIIC T60°C Db X Ex tc IIIC T105°C IP65 Dc X
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C...60 °C
Suitable for use with food	See supplementary material information
Media temperature	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Type of mounting	With accessories
Pneumatic connection, port 1	G1/8 G1/4
Pneumatic connection, port 2	G1/8 G1/4
Pneumatic connection, port 3	G1/4
Material housing	Die-cast aluminium
Material bowl	Makrolon®