Part number: 8184034



## **Data sheet**

alve function 3-way proportional-pressure regulator, closed lesign Sub-base valve Soft Selign Sub-base valve Soft Selectric Without flow control option witability for vacuum yes low direction Non-reversible legree of protection Non-reversible legree of protection IP65 ABS (PWIS) conformity Without flow that 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Real on anterials RoHS-compliant NBR Roduct weight NBR Roduct weight Soft MPa The Lu(PU) Identify the specific of the sp	Feature	Value
Sub-base valve  sealing principle Soft  Soft  Selectric  Without flow control option  witability for vacuum  low direction  legree of protection  ABS (PWIS) conformity  Witability for the production of Li-ion batteries  Metals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Class 3 according to ISO 14644-1  tote on materials  RoHS-compliant  Material seals  NBR  MRR  MRR  MRR  MRR  MRP  Material seals  NBR  MRR  MRR  MRP  Material seals  NBR  MRR  MRR  MR  MR  MR  MR  MR  MR  MR	Grid dimension	16 mm
ealing principle soft  ype of actuation Electric  xhaust-air function Without flow control option witability for vacuum yes low direction Non-reversible P65  ABS (PWIS) conformity VDMA24364 zone III witability for the production of Li-ion batteries Wetals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  RoHS-compliant Raterial housing PA66-GF30 TPE-U(PU) Raterial seals NBR Roduct weight 85.5 g Rominal size 4 mm Poperating pressure 0,7 MPa 7 bar 101.5 psi Iominal operating voltage DC 24 V Rorage temperature 2-0 °C70 °C Redia temperature 5 °C50 °C Redia temperature 5 °C50 °C Redia temperature 5 °C50 °C Redia temperature Flange Remumatic connection, port 2 Remumatic connection, port 2 Remumatic connection, port 4 Flange	Valve function	3-way proportional-pressure regulator, closed
ype of actuation  Electric  xhaust-air function  witability for vacuum  yes  low direction  RABS (PWIS) conformity  witability for the production of Li-ion batteries  Wetals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  leanroom class  Class 3 according to ISO 14644-1  Rote on materials  RoHS-compliant  Material seals  NBR  roduct weight  Separating pressure  Or MPa Tobar  101.5 psi  lominal size  4 mm  Or MPa Tobar  101.5 psi  lominal operating voltage DC  24 V  torage temperature  20 °C70 °C  ledia temperature  5 °C50 °C  elative air humidity  Flange  meumatic connection, port 2  Flange  flange	Design	Sub-base valve
Abaust-air function Without flow control option Witability for vacuum  yes  low direction Non-reversible  legree of protection ABS (PWIS) conformity Witability for the production of Li-ion batteries Wetals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  leanroom class Class 3 according to ISO 14644-1  Rote on materials RoHS-compliant PA66-GF30 TPE-U(PU)  Alaterial seals NBR  roduct weight Separating pressure Or, MPa Tobar 101.5 psi  lominal size 4 mm  Or, MPa Tobar 101.5 psi  lominal operating voltage DC 24 V  torage temperature 20 °C70 °C  ledia temperature 5 °C50 °C  elative air humidity S-90% Non-condensing meumatic connection, port 2 Flange fluenumatic connection, port 4 Flange	Sealing principle	Soft
uitability for vacuum  yes  low direction  Non-reversible legree of protection  ABS (PWIS) conformity  VDMA24364 zone III  Wetals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Leanroom class  Class 3 according to ISO 14644-1  Lote on materials  RAHS-compliant  Material housing  PA6-GF30  TPE-U(PU)  Material seals  NBR  roduct weight  85.5 g  Lominal size  4 mm  Loperating pressure  10.7 MPa 7 bar 101.5 psi  Lominal operating voltage DC  24 V  Lorage temperature  20 °C70 °C  Ledia temperature  5 °C50 °C  Ledia temperature  5 °C50 °C  Ledia temperature  5 °C50 °C  Ledia temperature  Ledia temperature  1 Eange  Lenumatic connection, port 2  Lenumatic connection, port 4  Flange	Type of actuation	Electric
low direction  Non-reversible legree of protection  ABS (PWIS) conformity  VDMA24364 zone III  Wetals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Leanroom class  Class 3 according to ISO 14644-1  Lote on materials  ReHS-compliant  Material housing  PA66-GF30  TPE-U(PU)  Material seals  NBR  roduct weight  85.5 g  Lominal size  4 mm  Loperating pressure  Loperating pressure  Loperating voltage DC  24 V  Lotrage temperature  20 °C70 °C  Ledia temperature  5 °C50 °C  Ledia temperature  5 °C50 °C  Ledia temperature  5 °C50 °C  Ledia temperature  Flange  Lenumatic connection, port 2  Lenumatic connection, port 4  Flange	Exhaust-air function	Without flow control option
regree of protection IP65  ABS (PWIS) conformity VDMA24364 zone III  Metals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Leanroom class Class 3 according to ISO 14644-1  Lote on materials RoHS-compliant  Material housing PA66-GF30 TPE-U(PU)  Material seals NBR  Treduct weight 85.5 g  Lominal size 4 mm  Loperating pressure 0.7 MPa 7 bar 101.5 psi  Lominal operating voltage DC 24 V  Lorage temperature 20 °C70 °C  Media temperature 5 °C50 °C  Leanroom class 3 coording to ISO 14644-1  Lore on materials  RoHS-compliant  Material seals NBR  Tready (PU)  Amm  Lore of MPa 7 bar 101.5 psi  Lominal operating voltage DC 24 V  Lorage temperature 5 °C50 °C  Lorage temperature 5 °C50 °C  Lore of Media temperature 5	Suitability for vacuum	yes
ABS (PWIS) conformity  WDMA24364 zone III  Wetals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Class 3 according to ISO 14644-1  Note on materials  RoHS-compliant  Acterial housing  PA66-GF30 TPE-U(PU)  Acterial seals  NBR  Roduct weight  85.5 g  Iominal size  4 mm  O.7 MPa T bar 101.5 psi  Iominal operating voltage DC  24 V  torage temperature  10 °C70 °C  Redia temperature  5 °C50 °C  Iominal temperature  5 °C50 °C  Iominal temperature  5 °C50 °C  Iominal connection, port 2  Flange  Tenumatic connection, port 4  Flange	Flow direction	Non-reversible
Metals with more than 5% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  leanroom class  Class 3 according to ISO 14644-1  lote on materials  RoHS-compliant  Atterial housing  PA66-GF30 TPE-U(PU)  Atterial seals  NBR  roduct weight  85.5 g  lominal size  4 mm  Operating pressure  O.7 MPa 7 bar 10.15 psi  lominal operating voltage DC  torage temperature  2-0 °C70 °C  fedia temperature  5 °C50 °C  elative air humidity  5 - 90% Non-condensing  meumatic connection, port 2  meumatic connection, port 4  Flange  flange	Degree of protection	IP65
from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils  Class 3 according to ISO 14644-1  Idea on materials  RoHS-compliant  Material housing  PA66-GF30 TPE-U(PU)  Material seals  NBR  roduct weight  Idea on materials  NBR  RoHS-compliant  As the module of the	LABS (PWIS) conformity	VDMA24364 zone III
RoHS-compliant  Asterial housing  PA66-GF30 TPE-U(PU)  Asterial seals  NBR  Product weight  S5.5 g  Rominal size  4 mm  Roperating pressure  Rominal operating voltage DC  Actorage temperature  Pedia temperature  Soc50 °C  Redia temperature  Soc50 °C  Relative air humidity  Rominal connection, port 2  Flange  Remarks  RohS-compliant  RohS-comp	Suitability for the production of Li-ion batteries	from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and
Atterial housing PA66-GF30 TPE-U(PU)  Atterial seals NBR  roduct weight 85.5 g  Jominal size 4 mm  Operating pressure 0.7 MPa 7 bar 101.5 psi  Jominal operating voltage DC 24 V  Attorage temperature 20 °C70 °C  Media temperature 5 °C50 °C  Leative air humidity 5-90%  Non-condensing  reumatic connection, port 2 Flange  reumatic connection, port 4 Flange	Cleanroom class	Class 3 according to ISO 14644-1
TPE-U(PU)  Material seals  MBR  Product weight  85.5 g  Jominal size  4 mm  Departing pressure  0.7 MPa 7 bar 101.5 psi  Jominal operating voltage DC  24 V  Actorage temperature  20 °C70 °C  Media temperature  5 °C50 °C  Jominal temperature  5 °C50 °C  Jominal temperature  5 °C50 °C  Jominal temperature  Flange  The seal of the	Note on materials	RoHS-compliant
roduct weight  85.5 g  lominal size  4 mm  Operating pressure  0.7 MPa 7 bar 101.5 psi  lominal operating voltage DC  24 V  torage temperature  -20 °C70 °C  Media temperature  5 °C50 °C  mbient temperature  5 °C50 °C  lelative air humidity  5 - 90% Non-condensing  meumatic connection, port 2  meumatic connection, port 4  Flange	Material housing	
Jominal size  Joperating pressure  Joperating pressure  Joperating pressure  John MPa 7 bar 101.5 psi  Jominal operating voltage DC  Journal operating volta	Material seals	NBR
Operating pressure Operating pressure Operating pressure On MPa 7 bar 101.5 psi  Ominal operating voltage DC Opera	Product weight	85.5 g
7 bar 101.5 psi  Iominal operating voltage DC  24 V  Idedia temperature  -20 °C70 °C  Media temperature  5 °C50 °C  Imbient temperature  5 °C50 °C  Idelative air humidity  5 - 90% Non-condensing  Ineumatic connection, port 2  Ineumatic connection, port 4  Flange	Nominal size	4 mm
torage temperature  -20 °C70 °C  Media temperature  5 °C50 °C  Imbient temperature  5 °C50 °C  Selative air humidity  5 - 90%  Non-condensing  Ineumatic connection, port 2  Flange  Ineumatic connection, port 4  Flange	Operating pressure	7 bar
Media temperature 5 °C50 °C Imbient temperature 5 °C50 °C Itelative air humidity 5 - 90% Non-condensing Ineumatic connection, port 2 Flange Ineumatic connection, port 4 Flange	Nominal operating voltage DC	24 V
mbient temperature 5 °C50 °C  lelative air humidity 5 - 90% Non-condensing  meumatic connection, port 2 Flange  meumatic connection, port 4 Flange	Storage temperature	-20 °C70 °C
relative air humidity  5 - 90% Non-condensing reumatic connection, port 2  Flange reumatic connection, port 4  Flange	Media temperature	5 °C50 °C
Non-condensing reumatic connection, port 2 reumatic connection, port 4  Flange	Ambient temperature	5 °C50 °C
neumatic connection, port 4 Flange	Relative air humidity	T
, , , , , , , , , , , , , , , , , , ,	Pneumatic connection, port 2	Flange
neumatic connection, port 1 Flange	Pneumatic connection, port 4	Flange
	Pneumatic connection, port 1	Flange

Feature	Value
Pneumatic connection, port 3	Flange
	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27