Part number: 8000815



General operating condition

## **Data sheet**

Overall data sheet – Individual values depend upon your configuration.

10.55 mm 12.55 mm   10.55 mm 12.55 mm   Tie rod   Tie rod   Compressed air to ISO 8573-1;2010 [7:4:4]   Compressed air to ISO 8573-1;2010 [7:4:4	Feature	Value
The rod  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Politor medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Ambient temperature  -5 °C 50 °C  Storage temperature  -20 °C 70 °C  Nominal altitude of use  -20 °C 70 °C  Nominal altitude of use -20 °C 70 °C -20 °C 70 °C  Nominal altitude of use -20 °C 70 °C -20 °C	Mounting method for sub-base	With through-hole
Deparating medium   Compressed air to ISO 8573-1:2010 [7:4:4]	Grid dimension	10.55 mm 12.55 mm
Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Ambient temperature  -20 °C 70 °C  Storage temperature  -20 °C 70 °C  Nominal altitude of use  Max. installation height	Type of mounting	Tie rod
Lubricated operating nossible (in which case lubricated operation will always be required)  Ambient temperature  -5 °C 50 °C  Storage temperature  -20 °C 70 °C  Wax. installation height  3500 m  1P20 1P40 1P65  Corrosion resistance class CRC  1 - Low corrosion stress  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6  Shock resistance  Shock resistance  Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27  Tontinuous shock resistance to DIN/IEC 68 Part 2-82  Tested according to severity level 1  Operating pressure  On 1 MPa 0.7 MPa  Plot pressure  On 1.5 MPa 0.7 MPa  Operating pressure for valve terminal with internal pilot air supply  Deparating pressure for valve terminal with internal pilot air supply  ABS (PWIS) conformity  To EU EMC Directive In accordance with EU ROHS Directive  CC mark  Waterial seals  Material seals  Labricated operation possible (in which case lubrication will always be required)  Labricated operation possible (in which case lubrication will always be required)  Labricated operation of conformity)  Labrication possible (in which intended pilot air supply)  Double on materials  Material seals	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
always be required) Ambient temperature  .5 °C 50 °C Storage temperature  .20 °C 70 °C  Nominal altitude of use  Max. installation height  .5 °C 70 °C  .5	Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Storage temperature  -20 °C 70 °C  Rominal altitude of use  -2000 m NHN  3500 m  P20 P20 P20 P40 P65  P40 P65  P50  P65  P66  P66  P70  P70 P66  P70 P66  P70 P70 P70 P70 P70 P70 P70 P70 P70 P7	Note on operating and pilot medium	, , , , , , , , , , , , , , , , , , , ,
Avancinatal altitude of use  Avancinatal altitude of use altitude altitu	Ambient temperature	-5 ℃ 50 ℃
Max. installation height Degree of protection PP20 IP40 IP65 Degree of protection PP20 IP40 IP40 IP65 Degree of protection PP20 IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP4	Storage temperature	-20 °C 70 °C
Degree of protection IP20 IP40 IP65 Degree of protection IP20 IP40 IP65 Degree of protection IP20 IP40 IP65 Decrosion resistance class CRC I 1 - Low corrosion stress  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance to DIN/IEC 68 Part 2-82 Tested according to severity level 1 Deparating pressure - 0.1 MPa 0.7 MPa Deparating pressure 0.15 MPa 0.7 MPa Ditot pressure 0.15 MPa 0.7 MPa Deparating pressure 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 0.15 MPa 0.7 MPa Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with internal pilot air supply 1.5 bar 7 bar Deparating pressure for valve terminal with int	Nominal altitude of use	<= 2000 m NHN
IP40   IP65	Max. installation height	3500 m
Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27 Tested according to severity level 1 Operating pressure -0.1 MPa 0.7 MPa Operating pressure -1 bar 7 bar Operating pressure -1.5 MPa 0.7 MPa Operating pressure -1.5 MPa 0.7 MPa Operating pressure -1.5 MPa 0.7 MPa Operating pressure for valve terminal with internal pilot air supply -1.5 MPa 0.7 MPa Operating pressure for valve terminal with internal pilot air supply -1.5 MPa 0.7 MPa Operating pressure for valve terminal with internal pilot air supply -1.5 MPa 0.7 MPa Operating pressure for valve terminal with internal pilot air supply -1.5 MPa 0.7 MPa Operating pressure for valve terminal with internal pilot air supply -1.5 MPa 0.7 MPa Operating pressure for valve terminal with internal pilot air supply -1.5 MPa 0.7 MPa -1.5	Degree of protection	IP40
Shock resistance Shock resistance Shock resistance Shock resistance to DIN/IEC 68 Part 2-82 Tested according to severity level 1 Operating pressure -0.1 MPa 0.7 MPa Operating pressure -1 bar 7 bar Ologorating pressure -1.5 bar 7 bar Ologorating pressure -1.5 bar 7 bar Operating pressure -1.5 bar 7 bar Operating pressure -1.5 bar 7 bar Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure Oper	Corrosion resistance class CRC	1 - Low corrosion stress
Tested according to severity level 1  Operating pressure  Operating pressure  Operating pressure  On 15 MPa 0.7 MPa  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure	Vibration resistance	, , , , ,
Departing pressure  -0.1 MPa 0.7 MPa  -1 bar 7 bar  Operating pressure  -1 bar 7 bar  Operating pressure  -1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure  Operating pressure  Operating pressure  For MPa  Operating pressure  Operating pre	Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
Operating pressure  -1 bar 7 bar  Oliot pressure  0.15 MPa 0.7 MPa  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure	Continuous shock resistance to DIN/IEC 68 Part 2-82	Tested according to severity level 1
Pilot pressure 0.15 MPa 0.7 MPa 1.5 bar 7 bar 0.15 bar 101.5 psi 0.15 bar 101.5 bar	Operating pressure	-0.1 MPa 0.7 MPa
Pilot pressure  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  1.5 bar 7 bar  Operating pressure for valve terminal with internal pilot air supply  Operating pressure for valve terminal with internal pilot air supply  21.75 psi 101.5 psi  VDMA24364-C1-L  To EU EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity)  To UK instructions for EMC To UK RoHS instructions  KC mark  Approval  RCM trademark  Note on materials  Material seals  HNBR NBR	Operating pressure	-1 bar 7 bar
Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with internal pilot air supply Operating pressure for valve terminal with in	Pilot pressure	0.15 MPa 0.7 MPa
Deperating pressure for valve terminal with internal pilot air supply  Deperating pressure for valve terminal with internal pilot air supply  21.75 psi 101.5 psi  ABS (PWIS) conformity  DE mark (see declaration of conformity)  To EU EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive To UK instructions for EMC To UK RoHS instructions  CC mark  Approval  RCM trademark  Note on materials  Material seals  Material seals  1.5 bar 7 bar  1.5 bar 7 bar  1.5 bar 7 bar  1.7 bar  1.5 bar 7 bar  1.7 psi  1.5 bar 7 bar  1.7 psi  1.5 bar 7 bar  1.5 bar 7 bar  1.5 bar 7 bar  1.5 bar 7 bar  1.7 psi  1.5 bar 7 bar  1.5 psi  1.5 bar 7 bar  101.5 psi  101.5 psi 101.5 p	Pilot pressure	1.5 bar 7 bar
Deperating pressure for valve terminal with internal pilot air supply  ABS (PWIS) conformity  VDMA24364-C1-L  To EU EMC Directive In accordance with EU RoHS Directive  UKCA marking (see declaration of conformity)  To UK instructions for EMC To UK RoHS instructions  KC mark  KC-EMV  Approval  RCM trademark  Note on materials  Material seals  HNBR  NBR	Operating pressure for valve terminal with internal pilot air supply	0.15 MPa 0.7 MPa
ABS (PWIS) conformity  VDMA24364-C1-L  To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity)  To UK instructions for EMC To UK RoHS instructions  KC mark  KC-EMV  Approval  RCM trademark  Note on materials  Material seals  HNBR NBR	Operating pressure for valve terminal with internal pilot air supply	1.5 bar 7 bar
To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity)  To UK instructions for EMC To UK RoHS instructions  KC mark  KC-EMV  Approval  RCM trademark  Note on materials  ROHS-compliant  HNBR NBR	Operating pressure for valve terminal with internal pilot air supply	21.75 psi 101.5 psi
In accordance with EU RoHS Directive  JKCA marking (see declaration of conformity)  TO UK instructions for EMC TO UK ROHS instructions  KC-EMV  Approval  RCM trademark  Note on materials  ROHS-compliant  HNBR NBR	LABS (PWIS) conformity	VDMA24364-C1-L
To UK RoHS instructions  KC mark  KC-EMV  Approval  RCM trademark  Note on materials  RoHS-compliant  HNBR  NBR	CE mark (see declaration of conformity)	
Approval RCM trademark Note on materials RoHS-compliant Material seals HNBR NBR	UKCA marking (see declaration of conformity)	
Note on materials  RoHS-compliant  HNBR NBR	KC mark	KC-EMV
Material seals HNBR NBR	Approval	RCM trademark
NBR	Note on materials	RoHS-compliant
/alve terminal structure Modular and expandable	Material seals	
	Valve terminal structure	Modular and expandable

Feature	Value
Max. number of valve positions	64
Max. number of pressure zones	16
Type of actuation	Electric
Valve function	2x3/2-way, monostable, closed 2x3/2-way, open, monostable 5/2 bistable 5/2-way, monostable 5/3 closed 5/4 closed, 2 or 4 exhausted
Design	Piston gate valve
Sealing principle	Soft
Type of piloting	Pilot actuated
Valve size	10 mm
Pilot air supply	External Internal
Nominal flow rate standardised according to ISO 8778	470 l/min 690 l/min
Suitability for vacuum	yes
Exhaust-air function	With flow control option
Pneumatic connection, port 1	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 For 15 mm cartridge Blanking plug
Pneumatic connection, port 2	QS-4 QS-6 QS-8 QS-5/32 QS-1/8 QS-1/4 QS-5/16 For 10 mm cartridge For 12 mm cartridge Blanking plug
Pneumatic connection, port 3	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 For 15 mm cartridge Silencer Blanking plug
Pneumatic connection, port 4	QS-4 QS-6 QS-8 QS-5/32 QS-1/8 QS-1/4 QS-5/16 For 10 mm cartridge For 12 mm cartridge Blanking plug
Pneumatic connection, port 5	QS-8 QS-10 QS-12 QS-5/16 QS-3/8 Silencer For 15 mm cartridge Blanking plug

Feature	Value
Pilot air port 12/14	Blanking plug QS-4 QS-6 QS-8 QS-5/16 QS-1/4 For 12 mm cartridge
Pilot exhaust port 82/84	QS-4 QS-6 QS-8 QS-5/16 QS-1/4 Silencer For 12 mm cartridge
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %