## Angle seat valve VZXA-B-TS6-25-M2-V13T-8.3-K-46-17-V4 Part number: 8060530

**FESTO** 





General operating condition

## **Data sheet**

Anunting position Any fromounting Line installation Any gree of mounting Line installation Threaded sleeve G1 as per DIN ISO 228  Alve function Any Alve function Non-reversible Addium pressure O MPa 0.83 MPa Addium pressure O bar 8.3 bar  Reset method Mechanical spring Sype of control Externally controlled Internal thread G1/8 Operating pressure O 5 MPa 1 MPa Operating pressure O 0 Mpa 1 MPa Operating pressure Operating pressu	Feature	Value
Any  Any  Any  Any  Any  Any  Any  Any	Structural design	Poppet valve with piston actuator
Line installation  Threaded sleeve G1 as per DIN ISO 228  Talve function  2/2  Tow direction  Non-reversible  Medium pressure  O MPa 0.83 MPa  Medium pressure  O bar 8.3 bar  Reset method  Mechanical spring  ype of control  Externally controlled  Internal thread G1/8  Operating pressure  O 5 MPa 1 MPa  Operating pressure  Operating pressure  72.5 psi 145 psi  Oymbol  Medium  Operating thick also do mineral oil linert gas  Mineral oil  Water  Filtered compressed air, 200 µm filter mesh  Neutral liquids  Downfort of the medium  On/off mode  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Anax. viscosity  emperature of medium  on the medium  O \( \circ	Actuation type	Pneumatic
able connection Threaded sleeve G1 as per DIN ISO 228  falve function 2/2 low direction Non-reversible Non-reve	Mounting position	Any
low direction 2/2  low direction Non-reversible  Medium pressure 0 MPa 0.83 MPa  Medium pressure 0 Dar 8.3 bar  Mechanical spring  Leset method Mechan	Type of mounting	Line installation
Non-reversible Medium pressure  O MPa 0.83 MPa Medium pressure  O bar 8.3 bar Mechanical spring Mechanical sprin	Cable connection	Threaded sleeve G1 as per DIN ISO 228
Medium pressure  O MPa 0.83 MPa Medium pressure  O bar 8.3 bar Mechanical spring Externally controlled Mechanical spring Mechanica	Valve function	2/2
Action pressure  O bar 8.3 bar  Mechanical spring  Externally controlled  Internal thread G1/8  Operating pressure  O 5 MPa 1 MPa  Operating pressure  On/off fluid based on mineral oil linert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids  On/off mode  Operating medium  On/off mode  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  Operating medium  On or 180 °C  Operating medium  On c 180 °C  Operating medium  On c 180 °C  Operating medium  Operatin	Flow direction	Non-reversible
Mechanical spring type of control Externally controlled Internal thread G1/8 Internal thread	Medium pressure	0 MPa 0.83 MPa
Externally controlled Internal thread G1/8 Internal	Medium pressure	0 bar 8.3 bar
Internal thread G1/8 Operating pressure O.5 MPa 1 MPa Operating pressure S bar 10 bar Operating pressure 72.5 psi 145 psi Operating pressure Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids Iow direction Under valve seat, for gaseous and liquid media On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Emperature of medium -10 °C 180 °C Ombient temperature O °C 60 °C Iow rate Kv Oserating medium Internal thread G1/8 Internal thread G	Reset method	Mechanical spring
perating pressure  0.5 MPa 1 MPa  perating pressure  5 bar 10 bar  72.5 psi 145 psi  0.9995586  Medium  Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids  low direction  Under valve seat, for gaseous and liquid media Control of the medium  On/off mode  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  emperature of medium  -10 °C 180 °C  smbient temperature  0 °C 60 °C  low rate Kv  20.3 m³/h	Type of control	Externally controlled
Sperating pressure  5 bar 10 bar  72.5 psi 145 psi  yymbol  00995586  Medium  Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids  low direction  Under valve seat, for gaseous and liquid media  control of the medium  On/off mode  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  emperature of medium  -10 °C 180 °C  which is a sper ISO 8573-1:2010 [7:4:4]  -10 °C 180 °C  which is a sper ISO 8573-1:2010 [7:4:4]  -10 °C 180 °C  which is a sper ISO 8573-1:2010 [7:4:4]  -10 °C 180 °C  which is a sper ISO 8573-1:2010 [7:4:4]  -10 °C 180 °C  which is a sper ISO 8573-1:2010 [7:4:4]  -10 °C 180 °C  which is a sper ISO 8573-1:2010 [7:4:4]  -10 °C 180 °C	Pneumatic connection	Internal thread G1/8
Deperating pressure  72.5 psi 145 psi  90995586  Medium  Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids  Iow direction  Under valve seat, for gaseous and liquid media On/off mode  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  emperature of medium  -10 °C 180 °C  smbient temperature  0 °C 60 °C  Iow rate Kv  20.3 m³/h	Operating pressure	0.5 MPa 1 MPa
Nedium  Nedium  Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids  Now direction  Under valve seat, for gaseous and liquid media Control of the medium  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Nax. viscosity  emperature of medium  -10 °C 180 °C  combient temperature  0 °C 60 °C  low rate Kv  20.3 m³/h	Operating pressure	5 bar 10 bar
Medium       Vapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh Neutral liquids         Ilow direction       Under valve seat, for gaseous and liquid media         Control of the medium       On/off mode         Operating medium       Compressed air as per ISO 8573-1:2010 [7:4:4]         Max. viscosity       600 mm²/s         Temperature of medium       -10 °C 180 °C         Sembient temperature       0 °C 60 °C         Ilow rate Kv       20.3 m³/h	Operating pressure	72.5 psi 145 psi
Hydraulic fluid based on mineral oil lnert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids  low direction Under valve seat, for gaseous and liquid media Control of the medium On/off mode Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity 600 mm²/s Gemperature of medium -10 °C 180 °C Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4]	Symbol	00995586
Control of the medium On/off mode Compressed air as per ISO 8573-1:2010 [7:4:4] Max. viscosity Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as p	Medium	Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh
Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Max. viscosity  600 mm²/s  emperature of medium  -10 °C 180 °C  ambient temperature  0 °C 60 °C  low rate Kv  20.3 m³/h	Flow direction	Under valve seat, for gaseous and liquid media
Max. viscosity  600 mm²/s  emperature of medium  -10 °C 180 °C  mbient temperature  0 °C 60 °C  low rate Kv  20.3 m³/h	Control of the medium	On/off mode
remperature of medium -10 °C 180 °C remperature 0 °C 60 °C low rate Kv 20.3 m³/h	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
mbient temperature 0 °C 60 °C low rate Kv 20.3 m³/h	Max. viscosity	600 mm <sup>2</sup> /s
low rate Kv 20.3 m³/h	Temperature of medium	-10 °C 180 °C
	Ambient temperature	0 °C 60 °C
lse in exterior area Weather-protected locations class C1 based on IEC 60654-1	Flow rate Kv	20.3 m³/h
	Use in exterior area	Weather-protected locations class C1 based on IEC 60654-1
lote on materials RoHS-compliant	Note on materials	RoHS-compliant
ABS (PWIS) conformity VDMA24364 zone III	LABS (PWIS) conformity	VDMA24364 zone III
alve housing material Cast stainless steel	Valve housing material	Cast stainless steel

Feature	Value
Material number, fitting housing	1.4409
Seals material	FPM
Spindle seal material	PTFE
Seat seal material	PTFE
Product weight	2150 g
Certification	CRN
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Certificate issuing authority	German Technical Control Board (TÜV) 968/V 1039.01/20
Safety integrity level (SIL)	SIL 2
PFH	1.36E-7
PFD	5.95E-4
Actuator size	46 mm
Stroke	17 mm
Control function	Closed by spring force, NC
Position sensing	With mechanical indicator
Drive housing material	Cast stainless steel
Material number, drive housing	1.4408
Storage temperature	-10 °C 60 °C
Degree of protection	IP65 IP67
Piston rod material	High-alloy stainless steel
Cover material	Cast stainless steel