## Angle seat valve VZXF-L-M22C-M-B-G34-160-M1-H3B1T-50-16

Part number: 3535644



## General operating condition

Mounting positionAnyType of mountingLine installationCable connectionThreaded sleeve G3/4 as per DIN ISO 228Nominal width16 mmValve function2/2, closed, monostableFlow directionNon-reversibleMedium pressure0 MPa 1.6 MPaMedium pressure of fitting PN16Exhaust air functionMithout flow control optionReset methodMechanical springType of controlExternally controlledPreumatic connectionInternal thread G1/8Operating pressure0.6 MPa 145 psiOperating pressure0.6 MPa 145 psiSymbol00991367MediumVaporHeretonHour valve seat, prog seasure and ilquid mediaOperating mediumCompressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, or gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Max. viscosity600 mm²/sTemperature of medium40 °C 200 °CAmbient temperature:10 °C 60 °CNote on materialsRoHS-compliant	Feature	Value
Sealing principleSoftMounting positionAnyType of mountingLine installationCable connectionThreaded sleeve G3/4 as per DIN ISO 228Nominal width16 mmValve function2/2, closed, monostableFlow directionNon-reversibleMedium pressureO MPa 1.6 MPaMedium pressureO MPa 1.6 MPaMedium pressureO MPa 16 harNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of contolExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure0.6 MPa 1 MPaOperating pressure0.9991367MediumVaporHydraulic fluid based on mineral oil Interit al gain Mineral oil Mineral oi	Structural design	Poppet valve with piston actuator
Mounting position       Any         Type of mounting       Line installation         Cable connection       Threaded sleve G3/4 as per DIN ISO 228         Nominal width       16 mm         Valve function       2/2, closed, monostable         Flow direction       Non reversible         Medium pressure       0 MPa 1.6 MPa         Medium pressure of fitting PN       16         Exhaust air function       Without flow control option         Reset method       Mechanical spring         Type of control       Externally controlled         Pneumatic connection       Internal thread G1/8         Operating pressure       0 6 Ma 1 MPa         Operating pressure       6 bar 10 bar         Operating pressure       6 bar 10 bar         Operating pressure       0 MB an 145 psi         Symbol       00991367         Medium       Water         Filtered compressed air, 200 µm filter mesh         Neutral liquids       Under valve seat, for gaseous and liquid media         Operating medium       Compressed air as per ISO 8573-1:2010 [7:4:4]         Max. viscosity       600 mm²/s         Temperature of medium       40 °C 200 °C         Ambient temperature       -10 °C 60 °C <td>Actuation type</td> <td>Pneumatic</td>	Actuation type	Pneumatic
Type of mounting       Line installation         Cable connection       Threaded sleeve G3/4 as per DIN ISO 228         Nominal width       16 mm         Valve function       2/2, closed, monostable         Flow direction       Non-reversible         Medium pressure       0 MPa 1.6 MPa         Medium pressure of fitting PN       16         Exhaust air function       Without flow control option         Reset method       Mechanical spring         Type of control       Externally controlled         Preumatic connection       Internal thread G1/8         Operating pressure       0.6 MPa 145 psi         Symbol       00991367         Medium       Vapor         Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquids         Flow direction       Under valve seat, for gaseous and liquid media         Operating medium       40 °C 200 °C         Max. viscosity       60 °C         Flow off temperature       10 °C 60 °C         Flow ate Kv       5.2 m³/h         Note on materials       RoHS-compliant         Lass perisols confirity       VDM242364 zone III	Sealing principle	Soft
Cable connectionThreaded sleeve G3/4 as per DIN ISO 228Nominal width16 mmValve function2/2, closed, monostableFlow directionNon-reversibleMedium pressure0 Mr = 1.6 MPaMedium pressure0 bar 16 AraNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlInternal thread G1/8Operating pressure0.6 MPa 1.45 psiOperating pressure0.6 MPa 145 psiSymbol00991367MediumWaterFiltered compressed air, 200 µm filter mesh Nietral oil Inerg as Mineral oil Mineral oil Meret gas Mineral oil Mineral oil Metard as per ISO 8573-11:2010 [7:4:4]Max, viscosity600 mm²/5Temperature of medium Anx viscosity40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRed StrassValve housing materialRed brass	Mounting position	Any
Nominal width16 mmValve function2/2, closed, monostableFlow directionNon-reversibleMedium pressure0 MPa 1.6 MPaMedium pressure0 bar 16 barNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally control ledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure6 bar 10 barOperating pressure00991367MediumWaporHydraulic fluid based on mineral oil Inter al spring Mineral oil WaterFiltered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium40 °C 200 °CAmbient temperature-10 °C 60 °CFlow ate Kv5.2 m³/hNote on materialsRoHS-compliantLASS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Type of mounting	Line installation
Valve function2/2, closed, monostableFlow directionNon-reversibleMedium pressureO MPa 1.6 MPaMedium pressureO bar 16 barNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure0.6 MPa 145 psiSymbol00991367MediumVapor Hydraulic fluid based on mineral oil Intert gas Mineral oil WaterFiltered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Max, viscosity600 mm²/sTemperature of medium Aviscosity40 °C 200 °CAmbient temperature10 °C 60 °CFlow rate KV5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Cable connection	Threaded sleeve G3/4 as per DIN ISO 228
Flow directionNon-reversibleMedium pressure0 MPa 1.6 MPaMedium pressure0 bar 16 barNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread 61/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure87 psi 145 psiSymbol00991367MediumVapor Hydraulic fluid based on mineral oil Intert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Mak. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantValve housing materialRed brass	Nominal width	16 mm
Medium pressureO MPa 1.6 MPaMedium pressureO bar 16 barNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure0.9 P1367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Valve function	2/2, closed, monostable
Medium pressureO bar 16 barNominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure0.0991367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil WaterFiltered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium40 °C 200 °CAmbient temperature:10 °C 60 °CFlow rater Kv:5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Flow direction	Non-reversible
Nominal pressure of fitting PN16Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure00991367MediumVaporHydraulic fluid based on mineral oil Inter gas Mineral oil WaterFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max viscosity600 mm²/sTemperature of medium40 °C 200 °CAmbient temperature10 °C 60 °CFlow rate Kiv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Medium pressure	0 MPa 1.6 MPa
Exhaust air functionWithout flow control optionReset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure6 bar 10 barOperating pressure00991367MediumVaporHydraulic fluid based on mineral oil Inert gas Mineral oil WaterFiltered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid media Operating mediumOperating medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Medium pressure	0 bar 16 bar
Reset methodMechanical springType of controlExternally controlledPneumatic connectionInternal thread 61/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure87 psi 145 psiSymbol00991367MediumHydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Nominal pressure of fitting PN	16
Type of controlExternally controlledPneumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure87 psi 145 psiSymbol00991367MediumVapor Hydraulic fuld based on mineral oil Inert gas Mineral oil WaterFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air a per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Exhaust air function	Without flow control option
Preumatic connectionInternal thread G1/8Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure87 psi 145 psiSymbol00991367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating medium-40 °C 200 °CAmbient temperature Flow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Reset method	Mechanical spring
Operating pressure0.6 MPa 1 MPaOperating pressure6 bar 10 barOperating pressure87 psi 145 psiSymbol00991367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Type of control	Externally controlled
Operating pressure6 bar 10 barOperating pressure87 psi 145 psiSymbol00991367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Pneumatic connection	Internal thread G1/8
Operating pressure87 psi 145 psiSymbol00991367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Operating pressure	0.6 MPa 1 MPa
Symbol00991367MediumVapor Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Operating pressure	6 bar 10 bar
MediumVaporMediumHydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Operating pressure	87 psi 145 psi
Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 µm filter mesh Neutral liquidsFlow directionUnder valve seat, for gaseous and liquid mediaOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Symbol	00991367
Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Medium	Hydraulic fluid based on mineral oil Inert gas Mineral oil Water Filtered compressed air, 200 μm filter mesh
Max. viscosity600 mm²/sTemperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Flow direction	Under valve seat, for gaseous and liquid media
Temperature of medium-40 °C 200 °CAmbient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature-10 °C 60 °CFlow rate Kv5.2 m³/hNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364 zone IIIValve housing materialRed brass	Max. viscosity	600 mm²/s
Flow rate Kv     5.2 m³/h       Note on materials     RoHS-compliant       LABS (PWIS) conformity     VDMA24364 zone III       Valve housing material     Red brass	Temperature of medium	-40 °C 200 °C
Note on materials       RoHS-compliant         LABS (PWIS) conformity       VDMA24364 zone III         Valve housing material       Red brass	Ambient temperature	-10 °C 60 °C
LABS (PWIS) conformity     VDMA24364 zone III       Valve housing material     Red brass	Flow rate Kv	5.2 m³/h
Valve housing material Red brass	Note on materials	RoHS-compliant
	LABS (PWIS) conformity	VDMA24364 zone III
Material number, fitting housing CC499K	Valve housing material	Red brass
	Material number, fitting housing	СС499К

Feature	Value
Spindle seal material	PTFE
Seat seal material	PTFE
Product weight	1300 g
Corrosion resistance class (CRC)	1 - Low corrosion stress
Drive housing material	Brass