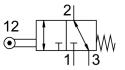
Roller lever valve VMEF-RT-M32-M-N18

Part number: 8047098



Data sheet

Valve function 3/2, monostable Actuation type Mechanical Width 20 mm Standard nominal flow rate 750 l/min Pneumatic working port 1/8 NPT Operating pressure -0.095 MPa 1 MPa Operating pressure -0.95 bar 10 bar Design Roller lever Plate seat Reset method Max. stroke limit (hard) 6.3 mm Nominal width 5.6 mm Type code VMEF Application note Soft Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap 30 deg Explosion prevention and protection Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX)	
Width 20 mm Standard nominal flow rate 750 l/min Pneumatic working port 1/8 NPT Operating pressure -0.95 MPa 1 MPa Operating pressure -0.95 bar 10 bar Design Roller lever Plate seat Plate seat Reset method Mechanical spring Max. stroke limit (hard) 6.3 mm Nomial width 5.6 mm Type code VMEF Application note Risk of pinching Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap Zero overlap Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010[7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) Temperature of medium -10 °C 60 °C Note on ambient temperature Infuence of heat on wear	
Standard nominal flow rate750 l/minPneumatic working port1/8 NPTOperating pressure-0.95 MPa 1 MPaOperating pressure-0.95 MPa 1 MPaDesignRoller lever Plate seatReset methodMechanical springMax. stroke limit (hard)6.3 mmNominal width5.6 mmType codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) 	
Pneumatic working port 1/8 NPT Operating pressure -0.95 MPa 1 MPa Operating pressure -0.95 bar 10 bar Design Roller lever Plate seat Reset method Mechanical spring Max. stroke limit (hard) 6.3 mm Nominal width 5.6 mm Type code VMEF Application note Risk of pinching Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap Zero overlap Max. stuating speed with lateral actuation 1.4 m/s Max. actuating speed with lateral actuation 1.4 m/s Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:-:-] Operating medium Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 - Low corrosion stress Temperature of medium -10 °C 60 °C Mobient temperature -10 °C 60 °C	
Operating pressure -0.095 MPa 1 MPa Operating pressure -0.95 bar 10 bar Design Roller lever Plate seat Roller lever Plate seat Mechanical spring Max. stroke limit (hard) 6.3 mm Nominal width 5.6 mm Type code VMEF Application note Risk of pinching Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap Zero overlap Max. actuating speed with lateral actuation 1.4 m/s Max. actuating speed with lateral actuation 1.4 m/s Max. actuating requency 3 Hz Cam angle 30 deg Explosion prevention and protection Compressed air as per ISO 8573-1:2010 [7:-:] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 - Low corrosion stress Temperature of medium -10 °C 60 °C Ambient temperature Influence of heat on wear	
Operating pressure -0.95 bar 10 bar Design Roller lever Plate seat Renter lever Plate seat Mechanical spring Max. stroke limit (hard) 6.3 mm Nominal width 5.6 mm Type code VMEF Application note Risk of pinching Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap Zero overlap Max. actuating speed with lateral actuation 1.4 m/s Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 21 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010[7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 · Low corrosion stress Temperature of medium -10 °C 60 °C Ambient temperature Influence of heat on wear	
Design Roller lever Plate seat Reset method Mechanical spring Max. stroke limit (hard) 6.3 mm Nominal width 5.6 mm Type code VMEF Application note Risk of pinching Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol Qo991353 Lap Zero overlap Max. actuating speed with lateral actuation 1.4 m/s Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010[7-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 - Low corrosion stress Temperature of medium -10 °C 60 °C Ambient temperature -10 °C c 60 °C	
Plate seatReset methodMechanical springMax. stroke limit (hard)6.3 mmNominal width5.6 mmType codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Note on ambient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Max. stroke limit (hard) 6.3 mm Nominal width 5.6 mm Type code VMEF Application note Risk of pinching Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap Zero overlap Max. actuating speed with lateral actuation 1.4 m/s Max. suitching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) To experiative of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Note on ambient temperature Influence of heat on wear	
Nominal width5.6 mmType codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumOperation with oil lubrication possible (required Corrosion resistance class (CRC)Information on operating and pilot media-10 °C 60 °CMobient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Type codeVMEFApplication noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumOperating and pilot mediaCorrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Application noteRisk of pinchingSealing principleSoftMounting positionAnyType of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7::-?]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Sealing principle Soft Mounting position Any Type of control Direct Flow direction Reversible Symbol 00991353 Lap Zero overlap Max. actuating speed with lateral actuation 1.4 m/s Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010[7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 - Low corrosion stress Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C	
Mounting positionAnyType of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Type of controlDirectFlow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Flow directionReversibleSymbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Symbol00991353LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
LapZero overlapMax. actuating speed with lateral actuation1.4 m/sMax. switching frequency3 HzCam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Max. actuating speed with lateral actuation 1.4 m/s Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 - Low corrosion stress Temperature of medium -10 °C 60 °C Note on ambient temperature Influence of heat on wear	
Max. switching frequency 3 Hz Cam angle 30 deg Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Note on ambient temperature Influence of heat on wear	
Cam angle30 degExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)Temperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required Corrosion resistance class (CRC) 1 - Low corrosion stress Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Note on ambient temperature Influence of heat on wear	
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)1 - Low corrosion stress1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Information on operating and pilot mediaOperation with oil lubrication possible (required Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Corrosion resistance class (CRC)1 - Low corrosion stressTemperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	
Temperature of medium-10 °C 60 °CAmbient temperature-10 °C 60 °CNote on ambient temperatureInfluence of heat on wear	l for further use)
Ambient temperature -10 °C 60 °C Note on ambient temperature Influence of heat on wear	
Note on ambient temperature Influence of heat on wear	
Actuating force 35.2 N	
Product weight 209 g	
Type of mounting With through-hole	
Pneumatic connection 1 1/8 NPT	



FESTO

Feature	Value
Pneumatic connection 2	1/8 NPT
Pneumatic connection 3	1/8 NPT
Note on materials	RoHS-compliant
Actuator attachments material	Steel, galvanized
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized