Stopper cylinder DFSP-32-25-F-PA Part number: 576107



Data sheet

Piston diameter 32 mm Piston rod thread M6 Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Mode of operation Duble-acting Pulling Design Piston not Piston rod Position detection Via proximity switch Piston-rod end Female thread Symbol 00995272 Variants Piston rod with female thread Protection against torque/guide Round piston rod Operating pressure 0.12 MPa 1 MPa Operating 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) Corrosion resistance class CRC 2- Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-1 Ambient temperature -10 °C 60 °C Impact force 3270 N Permissible lateral force during switching operation 595 N Max. cycle frequency 51 Hz Type of mounting With through-hole With through-hole With taccessories Preum	Feature	Value
Piston rod thread M6 Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Mode of operation Double-acting Pulling Design Piston Piston rod Profile barrel Position detection Via proximity switch Piston-rod end Female thread Symbol 00995272 Variants Piston rod Operating pressure Operating pressure 0.12 MPa1 MPa Operating pressure 0.12 MPa1 MPa Operating 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) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA246.81/B2-L Ambient temperature -10 °C 80 °C Impact force 3270 N Permissible lateral force during switching operation 555 N Max. cycle frequency 5 Hz Type of mounting With through-hole With through-hole With through-hole With accessories Pneumatic connection G1/8	Stroke	25 mm
CushioningElastic cushioning rings/plates at both endsMounting positionoptionalMode of operationDouble-acting PullingDesignPiston Piston rod Profile barrelPosition detectionVia proximity switchPostor of detectionVia proximity switchPiston-rod endFemale threadSymbol00995272VariantsPiston rod Positon dwith female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLASS (PWIS) conformityVDMA24364-B1/82-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation59 F JrzType of mountingEither: With through-hole With accessoriesProfilos force3270 NPermissible lateral force during switching operation59 F JrzType of mountingGil/8Max. cycle frequency5 HzType of mountingGalvanised steelMaterial colar screwsGalvanised steelMaterial colar screwsGalvanised steelMaterial sealsTP-L/U/UMaterial sealsTP-L/UU	Piston diameter	32 mm
Mounting position optional Mode of operation Double-acting Pulling Design Piston Design Piston rod Position detection Via proximity switch Postnor od end Female thread Symbol 00995272 Variants Piston rod with female thread Protection against torque/guide Round piston rod Operating pressure 0.12 MPa 1 MPa Operating pressure 0.12 MPa 1 MPa Operating 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) Corrosion resistance class CRC 2 - Moderate corrosion stress LASS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 10 °C 80 °C Impact force 3270 N Permissible lateral force during switching operation 595 N Max. cycle frequency 5 Hz Type of mounting Either: With through-hole Via farenale thread Wote on materials RoH5-complant	Piston rod thread	M6
Mode of operationDouble-acting PullingDesignPiston Piston rod Profile barrelPosition detectionVia proximity switchPosition detectionFemale threadSymbol00995272VariantsPiston rod with female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating pressure0.12 MPa 1 MPaOperating mediumCompressed air to IS0 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation55 NMax. cycle frequency5 HzType of mountingEither: With through-hole Wit accessoriesPreumatic connectionG1/8Note on materialsRoH5-compliantMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material sealsTPE-U(PU)Material spiston rodHigh-alloy stainless steel	Cushioning	Elastic cushioning rings/plates at both ends
PullingDesignPiston no Profile barrelPosition detectionVia proxinity switchPosition detectionVia proxinity switchPiston-rod endFemale threadSymbol00995272VariantsPiston rod with female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating pressure0.12 MPa 1 MPaOperating mediumCompressed air to 150 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-09 C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial coolar screwsGalvanised steelMaterial coolar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Mounting position	optional
Piston rod Profile barrelPiston rod Profile barrelPosition detectionVa proximity switchPiston-rod endFemale threadSymbol00995272VariantsPiston rod with female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-81/82-1Ambient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial colar screwsGalvanised steelMaterial cover AnodisedTPE-U(PU)Material piston rodHigh-alloy stainless steel	Mode of operation	
Piston-rod endFemale threadSymbol00995272VariantsPiston rod with female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating pressure1.2 bar 10 barOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Wita female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Design	Piston rod
Symbol00995272VariantsPiston rod with female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating pressure1.2 bar 10 barOperating mediumCompressed air to 150 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDM24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Position detection	Via proximity switch
VariantsPiston rod with female threadProtection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating pressure1.2 bar 10 barOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 · Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingWith hrough-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial piston rodHigh-alloy stainless steel	Piston-rod end	Female thread
Protection against torque/guideRound piston rodOperating pressure0.12 MPa 1 MPaOperating pressure1.2 bar 10 barOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 · Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole With accessoriesPneumatic connectionG1/8Note on materialsGalvanised steelMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial piston rodTPE-U(PU)Material piston rodHigh-alloy stainless steel	Symbol	00995272
Operating pressure0.12 MPa 1 MPaOperating pressure1.2 bar 10 barOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole With accessoriesPneumatic connectionG1/8Note on materialsGalvanised steelMaterial colar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial piston rodHigh-alloy stainless steel	Variants	Piston rod with female thread
Decomposition1.2 bar 10 barOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Protection against torque/guide	Round piston rod
Operating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial piston rodTPE-U(PU)Material piston rodHigh-alloy stainless steel	Operating pressure	0.12 MPa 1 MPa
Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Corrosion resistance class CRC2 · Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Operating pressure	1.2 bar 10 bar
always be required)Corrosion resistance class CRC2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connection61/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformityVDMA24364-B1/B2-LAmbient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Note on operating and pilot medium	
Ambient temperature-10 °C 80 °CImpact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Corrosion resistance class CRC	2 - Moderate corrosion stress
Impact force3270 NPermissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Permissible lateral force during switching operation595 NMax. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Ambient temperature	-10 °C 80 °C
Max. cycle frequency5 HzType of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Impact force	3270 N
Type of mountingEither: With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Permissible lateral force during switching operation	595 N
With through-hole Via female thread With accessoriesPneumatic connectionG1/8Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Max. cycle frequency	5 Hz
Note on materialsRoHS-compliantMaterial collar screwsGalvanised steelMaterial coverWrought aluminium alloy AnodisedMaterial sealsTPE-U(PU)Material piston rodHigh-alloy stainless steel	Type of mounting	With through-hole Via female thread
Material collar screws Galvanised steel Material cover Wrought aluminium alloy Anodised Material seals TPE-U(PU) Material piston rod High-alloy stainless steel	Pneumatic connection	G1/8
Material cover Wrought aluminium alloy Material seals TPE-U(PU) Material piston rod High-alloy stainless steel	Note on materials	RoHS-compliant
Anodised Material seals TPE-U(PU) Material piston rod High-alloy stainless steel	Material collar screws	Galvanised steel
Material piston rod High-alloy stainless steel	Material cover	
	Material seals	TPE-U(PU)
Material roll Galvanised steel	Material piston rod	High-alloy stainless steel
	Material roll	Galvanised steel

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Feature	Value
Material cylinder barrel	Wrought aluminium alloy Smooth anodised