Push-in fitting NPQR-DK-G18-Q6 Part number: 8085662







General operating condition

Data sheet

Nominal size 4.2 mm Tubing insertion depth 16 mm Type of seal on screwed plug Sealing ring Optional Design Straight design Straight design Straight design Straight design Straight design Push-pull principle Symbol Operating pressure complete temperature range Operating pressure operating pressure Water: max. 0.7 MPa at 0 - 80 °C Certificate issuing authority NSF CO556009 Operating medium Compressed air to ISO 8573-1:2010 [7:] Water (liquid, i.ce-free) Wa	Feature	Value
Tubing insertion depth Type of seal on screwed plug Sealing ring Mounting position Optional Design Straight design Straight design Straight design Push-pull principle Symbol Operating pressure complete temperature range Vater: max. or. Wha at 0 - 80 °C Certificate issuing authority NSF CO556009 Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Water (fliquid, ice-free) Wat	Size	Standard
Sealing ring Sealing ring Optional	Nominal size	4.2 mm
Mounting position optional Design Straight design Size of pack 1 Design Push-pull principle Symbol 00997424 Operating pressure complete temperature range -0.95 MPa 1.6 MPa Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -13.775 psi 232 psi Note on operating pressure Water: max. 0.7 MPa at 0 - 80 °C Certificate issuing authority NSF C0556009 Operating medium Compressed air to ISO 8573-1:2010[7:*-] Water (liquid, ite-free) Water (liquid, ite-fre	Tubing insertion depth	16 mm
Design Straight design Size of pack 1 Design Push-pull principle Symbol 00997424 Operating pressure complete temperature range -0.095 MPa 1.6 MPa Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -13.775 psi 232 psi Note on operating pressure Water: max. 0.7 MPa at 0 - 80 °C Certificate issuing authority NSF CO556009 Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 - Very high corrosion stress UABS (PWIS) conformity VOMA24364-82-1. Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 146444-1 See declaration of conformity NSF(ANS1169) Ambient temperature 20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque 2 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Male thread G1/8 Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 Note on materials Material housing Material thousing Material thousing Material thousing Material thousing Material thousing Material thread seal FPM Guard ring material	Type of seal on screwed plug	Sealing ring
Size of pack Design Push-pull principle Symbol 00997424 Operating pressure complete temperature range -0.95 MPa 1.6 MPa Operating pressure complete temperature range -0.95 bar 16 bar Operating pressure complete temperature range -13.775 psi 232 psi Note on operating pressure Water: max. 0.7 MPa at 0 −80 °C Certificate issuing authority NSF C0556009 Operating medium Compressed air to ISO 8573-1:2010 [7:] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 · Very high corrosion stress VVMA24364-82-L Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque Tollerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant High-alloy stainless steel	Mounting position	optional
Push-pull principle Symbol Operating pressure complete temperature range 13.775 psi 232 psi Note on operating pressure Water: max. 0.7 MPa at 0 · 80 °C Certificate issuing authority NSF C0556009 Operating medium Corrosion resistance class CRC A · Very high corrosion stress Cartificate issuing and pilot medium Lubricated operation possible Corrosion resistance class CRC A · Very high corrosion stress UABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque + 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pheumatic connection, port 1 Male thread G1/8 Preumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials ReHS-compliant High-alloy stainless steel	Design	Straight design
Operating pressure complete temperature range -0.95 Mpa 1.6 Mpa Operating pressure complete temperature range -13.775 psi 232 psi Note on operating pressure Water: max. 0.7 Mpa at 0 - 80 °C Certificate issuing authority NSF CO556009 Operating medium Compressed air to ISO 8573-1:2010 [7::] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 - Very high corrosion stress LABS (PWIS) conformity VDMA24364-82-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluder from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANS1 169 Ambient temperature 20 °C 150 °C Nominal torque 6 Nm Folerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel Material thread seal FPM Guard ring material	Size of pack	1
Operating pressure complete temperature range -13.775 psi 232 psi Note on operating pressure Water: max. 0.7 MPa at 0 - 80 °C Certificate issuing authority NSF CO556009 Operating medium Compressed air to ISO 8573-1:2010 [7:] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 - Very high corrosion stress UABS (PWIS) conformity VDMA24364-82-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread 61/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel High-alloy stainless steel	Design	Push-pull principle
Operating pressure complete temperature range Operating pressure complete temperature range Operating pressure complete temperature range Operating pressure Operating pressure Water: max. 0.7 MPa at 0 - 80 °C Certificate issuing authority Operating medium Operating medium Operating and pilot medium Corrosion resistance class CRC Uphylox on operating and pilot medium Corrosion resistance class CRC Uphylox onformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Water (liquid, ice-free) Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature 2-0 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Naterial housing Material thread seal FPM Material thread seal High-alloy stainless steel	Symbol	00997424
Operating pressure complete temperature range -13.775 psi 232 psi Note on operating pressure Water: max. 0.7 MPa at 0 - 80 °C Certificate issuing authority NSF C0556009 Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 - Very high corrosion stress LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANSI 169 Ambient temperature 20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pheumatic connection, port 1 Male thread 61/8 Pheumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel High-alloy stainless steel	Operating pressure complete temperature range	-0.095 MPa 1.6 MPa
Note on operating pressure Certificate issuing authority NSF C0556009 Operating medium Compressed air to ISO 8573-1:2010 [7:] Water (Ilquid, i.e-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 - Very high corrosion stress LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluder from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing Material thread seal FPM Material thread seal FPM High-alloy stainless steel	Operating pressure complete temperature range	-0.95 bar 16 bar
Certificate issuing authority NSF C0556009 Compressed air to ISO 8573-1:2010 [7:] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 · Very high corrosion stress LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Male thread G1/8 Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel Material thread seal FPM High-alloy stainless steel	Operating pressure complete temperature range	-13.775 psi 232 psi
Operating medium Compressed air to ISO 8573-1:2010 [7:] Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 · Very high corrosion stress VDMA24364-B2-L Suitability for the production of Li-ion batteries Wetals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANSI 169 Ambient temperature Power of Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Male thread G1/8 Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing Material thread seal FPM Migh-alloy stainless steel	Note on operating pressure	Water: max. 0.7 MPa at 0 - 80 °C
Water (liquid, ice-free) Note on operating and pilot medium Lubricated operation possible Corrosion resistance class CRC 4 - Very high corrosion stress VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel Material thread seal Guard ring material High-alloy stainless steel	Certificate issuing authority	NSF C0556009
Corrosion resistance class CRC LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing Material thread seal FPM Guard ring material High-alloy stainless steel	Operating medium	·
LABS (PWIS) conformity VDMA24364-B2-L Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel Material thread seal Guard ring material High-alloy stainless steel	Note on operating and pilot medium	Lubricated operation possible
Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity	Corrosion resistance class CRC	4 - Very high corrosion stress
from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 4 according to ISO 14644-1 See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing Material thread seal FPM Guard ring material High-alloy stainless steel	LABS (PWIS) conformity	VDMA24364-B2-L
Suitable for use with food See declaration of conformity NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing Material thread seal FPM Guard ring material High-alloy stainless steel	Suitability for the production of Li-ion batteries	
NSF/ANSI 169 Ambient temperature -20 °C 150 °C Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing Material thread seal FPM Guard ring material High-alloy stainless steel High-alloy stainless steel	Cleanroom class	Class 4 according to ISO 14644-1
Nominal torque 6 Nm Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing High-alloy stainless steel FPM Guard ring material High-alloy stainless steel	Suitable for use with food	•
Tolerance for nominal tightening torque ± 20% Product weight 11.4 g Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing High-alloy stainless steel Material thread seal FPM Guard ring material High-alloy stainless steel	Ambient temperature	-20 °C 150 °C
Product weight Type of mounting Internal hexagon, size 4 mm Pneumatic connection, port 1 Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing High-alloy stainless steel FPM Guard ring material High-alloy stainless steel	Nominal torque	6 Nm
Type of mounting Internal hexagon, size 4 mm Male thread G1/8 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing High-alloy stainless steel Material thread seal Guard ring material High-alloy stainless steel High-alloy stainless steel	Tolerance for nominal tightening torque	± 20%
Pneumatic connection, port 1 Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials Material housing High-alloy stainless steel Material thread seal Guard ring material High-alloy stainless steel High-alloy stainless steel	Product weight	11.4 g
Pneumatic connection, port 2 For tubing outside diameter of 6 mm Note on materials RoHS-compliant Material housing High-alloy stainless steel Material thread seal FPM Guard ring material High-alloy stainless steel	Type of mounting	Internal hexagon, size 4 mm
Note on materials RoHS-compliant Material housing High-alloy stainless steel Material thread seal Guard ring material High-alloy stainless steel High-alloy stainless steel	Pneumatic connection, port 1	Male thread G1/8
Material housing High-alloy stainless steel Material thread seal FPM Guard ring material High-alloy stainless steel	Pneumatic connection, port 2	For tubing outside diameter of 6 mm
Material thread seal FPM Guard ring material High-alloy stainless steel	Note on materials	RoHS-compliant
Guard ring material High-alloy stainless steel	Material housing	High-alloy stainless steel
	Material thread seal	FPM
Material release ring High-alloy stainless steel	Guard ring material	High-alloy stainless steel
	Material release ring	High-alloy stainless steel

Feature	Value
Material tubing seal	FPM
Material tubing clamp component	High-alloy stainless steel
Thrust ring material	PPSU