Installation Equipment and Accessories

Cable gland

W/o reduction sealing insert

8161/7-M40-2817 Art. No. 239175



- For safe cable entry in Ex e and Ex i areas
- Can be used at temperatures of between -60 ... +75 °C, degree of protection IP68
- Available in Ex e and Ex i versions (Ex i version distinguished by its blue cap nut)
- Suitable for cable diameters from 1 ... 48 mm
- Versions with multi-seal inserts

WebCode **8161B**

R. STAHL's 8161/7 and 8161/8 series cable entries can be used to safely run cables into Ex e enclosures. They are suitable for cables between 1 and 48 mm in diameter. They are available for Ex e and Ex i circuits – the Ex i version can be distinguished by its blue cap nut. An integrated stopping plug can be used to seal any cable entries that are not being used.

Technical Data

Explosion Protection	
Application range (zones)	1 2 21 22
Certificate IECEX Gas	IECEx PTB 14.0011 X
Certificate ATEX Gas	PTB 14 ATEX 1008 X
Certificate IECEX Dust	IECEx PTB 14.0011 X
Certificate ATEX Dust	PTB 14 ATEX 1008 X
Ambient temperature °C	-40 … +75 °C
Gas explosion protection IECEx	Ex eb IIC Gb
Gas explosion protection ATEX	Ex II 2 G Ex eb IIC Gb
Dust explosion protection IECEx	Ex tb IIIC Db
Dust explosion protection ATEX	Ex II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), Brazil (ULB), EAC (LPE), IECEx (PTB), Korea (KGS)
EAC certificate	TS RU S-DE.AA71.B.00083
Electrical Data	
Ex version	Ex e
Ambient Conditions	
Min. ambient temperature	-40 °C
Max. ambient temperature	+75 °C
Ambient temperature	-40 °C ... +75 °C
Use at the height of	< 2000 m
Mechanical Data	
Degree of protection (IP)	IP66
Type of protection note	IP68 at 5 bar 30 min. (IP protection according to IEC/EN 60529)
Sealing material	EPDM profile seal
Sealing ring material	EPDM

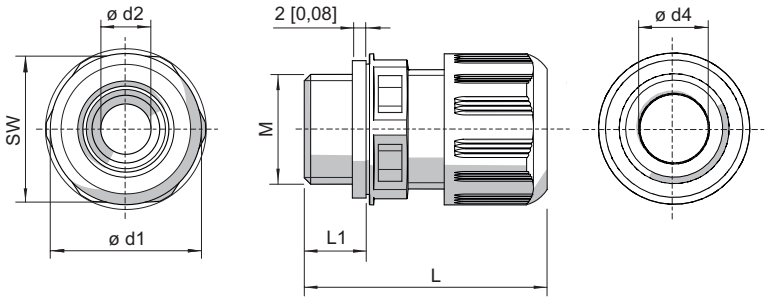
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Mechanical Data

Material	Polyamide
Material2	Glass fibre reinforced
Silicone-free	Yes
Self-extinguishing	Yes
Flame retardant	Yes
Halogen-free	Yes
Surface resistance	≤10^{13} Ω
Clamping range	17 – 28 mm
Max. clamping range	28 mm
Min. clamping range	17 mm
Armouring type	Unarmoured cable types
Dimension L	52 ... 65 mm
Dimension d1	51 mm
Dimension d2	28.3 mm
Dimension d4	30 mm
Width across corners	51 mm
Width across flats	46 mm
Thread size	M40
Thread length	12 mm
Thread pitch	1,5 mm
Impact strength	7 J
Colour	Black
Lot size	10
Weight	0.068 kg

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

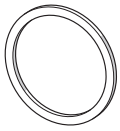


M = Thread size
SW = Width across flats
L1 = Thread length
L = Dimension L

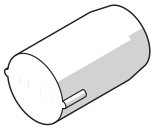
Thread size	Width across flats	Dimension L	Thread length	Clamping range	Dimension d1	Dimension d2	Dimension d4
M40	46.00 mm	52 ... 65 mm	12.000 mm	17.00 - 28.00 mm	51 mm	28.3 mm	30 mm

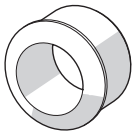
Accessories and Spare Parts

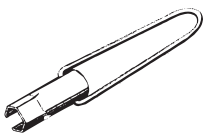
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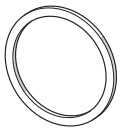
Flat gasket (standard), EPDM (-40 ... +75 °C) **Replacement seals for cable glands**		**Art. No.**
	For cable glands 8161/.-M40-28 Lot size: 100 Connection thread: M40	222374
	For cable glands 8161/.-M40-28 Lot size: 50 Connection thread: M40	222367

Locknut, brass nickel-plated (-60 ... +75 °C) **To fasten the cable glands in through holes**		**Art. No.**
	Material: Nickel-plated brass Lot size: 50 Thread size: M40	241563

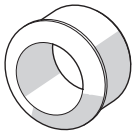
Plug (-60 ... +75 °C) **For closing unused cable glands**		**Art. No.**
	Thread size without reduction sealing insert: M32 Lot size: 25 Thread size with reduction sealing insert: M40 Diameter: 20 mm Material: Polyamide	240057
	Thread size without reduction sealing insert: M40 Lot size: 25 Diameter: 28 mm Material: Polyamide	240059

Reduction sealing insert (standard), EPDM (-40 ... +75 °C) **For cable glands**		**Art. No.**
	Connection thread: M40 x 1,5 Lot size: 50 Clamping range: 12 – 20 mm	239449

Special key		**Art. No.**
	Thread size: M40 Packaging unit: 1	114210

Flat gasket silicone (-60 ... +75°C) **Replacement seals for low temperature**		**Art. No.**
	For cable glands 8161/.-M40-28 Lot size: 100 Connection thread: M40	240252

Locknut, plastic (-40 ... +75 °C) **To fasten the cable glands in through holes**		**Art. No.**
	Material: Polyamide Lot size: 50 Thread size: M40	239465

Reduction sealing insert, silicone (-60 ... +75 °C) **For low temperature**		**Art. No.**
	Connection thread: M40 x 1,5 Lot size: 50 Clamping range: 12 – 20 mm	239457

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