



Stud-type bushing with threaded sleeve

Description

Industrial processes often take place within closed containers, under increased pressure or even vacuum conditions. It is therefore of utmost importance that no media leakages or pressure/vacuum drops occur when electrical power or signals are led through the container wall. Our BARTEC pressure and vacuum sealed stud-type bushings provide a simple and cost-effective solution to this problem. The stud-type bushings essentially consist of a threaded metal sleeve and the stud forming one block by means of a creepage-proof insulation material.

The electrical connection can be made by the user himself with conventional connection systems. The seals can withstand pressures from 10 mbar abs. to 63 bar depending on the type used for the installation.

Depending on their field of application, BARTEC pressure and vacuum sealed stud-type bushings can be used at temperatures of -40 °C to +150 °C rising to short-term +180 °C. Our BARTEC stud-type bushings can also be used under conditions that differ from the basic technical data listed below.

They are **not** approved for the use in hazardous areas.

Technical data

Basic Version

Nominal voltage
400 V²⁾

Stud thread
M8 to M16

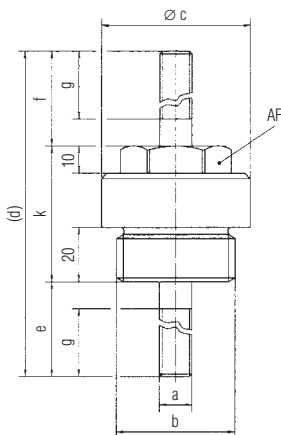
Temperature range
-25 °C to +100 °C

Nominal pressure
10 mbar abs. to 63 bar at RT¹⁾³⁾

Test pressure
80 bar at RT

Versions deviating from the basic technical data on request

Dimensions



Selection chart

Nominal current⁴⁾

at +25 °C ambient temperature	100 A	250 A	315 A
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Dimensions in mm

a	M8	M12	M16
b	R 1"	R 1 1/4"	R 1 1/2"
c	41	55	60
d	100	150	160
e	35	50	55
f	30	50	55
g	22	40	40
AF	30	36	36
k	35	50	50
Order no.	37-9119-A019/70E2	37-9119-A019/70E1	37-9119-A019/70E4

1) RT = +25 °C
2) lower, depending on vacuum
3) depending on outer seal
4) stud: brass