THE EUROPEAN REGIONAL DEVELOPMENT FUND AND THE MINISTRY OF INDUSTRY AND TRADE OF THE CZECH REPUBLIC SUPPORT INVESTMENT IN YOUR FUTURE.

zam servis

PD-D36, PD-M42 – Multiple Grommets

Certificate: ATEX

PD-M42 PD-D36

Use:
Multiple grommets are intended for interconnecting electric potential from the terminal block to instrument space of non-explosive enclosures while preserving non-explosive conditions. They are designed in such way that a form Exd I or Exd II enclosure is formed together with the case enclosure. The grommets are approved as an Ex part.

They are intended for the voltage up to 300 V between conductors with the cross-section from 0.5 to 1 mm^2, for the voltage up to 690 V between conductors with the cross-section from 1.5 to 120 mm^2 and for the voltage up to 1200 V between conductors with the cross-section from 1.5 to 120 mm^2.

Description:
The grommet consists of a basic cylindrical body with partly milled off inner space. Respective holes are drilled in the grommet depending on the number and type of conductors through which conductors pass. The space between conductors is filled in by polyurethane filling material.

Technical Parameters:

Thread-free PD-D36 grommets:

Model	I M2 Ex d I II 2G Ex d IIB T6
Diameter of cylindrical part forming joint	36 e8
Diameter of a hole in the wall of grommet	36 H8
Maximum volume of firm enclosure	Not limited
Ambient temperature	-20°C - +40°C
Weight	approximately 0.4 kg

Threaded PD-M42 grommets:

Model	I M2 Ex d I II 2G Ex d IIC T6
Threads forming joint	thread M42x1.5-6 g
Thread in the grommet wall	M42x1.5 6H
Maximum volume of firm enclosure	Not limited
Head	6HR 46-10
Ambient temperature	-20°C - +40°C
Weight	approximately 0.4 kg depending on the number of conductors

Number of conductors:

Thread-free PD-D36 grommets:

300V	0-16
690V	0-13
1200V	0-13

Threaded PD-M42 grommets:

300V	0-24
690V	0-22
1200V	0-22

The body is made of s copper alloy in two versions:

- A thread-free PD-D36 grommet, where the cylindrical joint is formed by the grommet body and a hole in the wall of a non-explosive enclosure. The ring designed for grasping thread-free grommets is made of steel and galvanized.
- A threaded PD-M42 grommet, where the thread joint is formed by an outer thread of the grommet and the inner thread in the wall of a non-explosive enclosure.

ZAM-SERVIS s.r.o. Křišťanova 1116/14 702 00 Ostrava - Přívoz
tel.: +420 596 135 422, email: zam@zam.cz, www.zam.cz

THE EUROPEAN REGIONAL DEVELOPMENT FUND AND THE MINISTRY OF INDUSTRY AND TRADE OF THE CZECH REPUBLIC SUPPORT INVESTMENT IN YOUR FUTURE.

NIJ – Optical Signalling Unit

Certificate: ATEX

Technical Parameters:

Model	I M2 Ex me I
Supply voltage	230, 110, 60, 48, 24, 12 V / AC, DC
Input power	5 VA (W)
Light intensity	300 – 1000 mcd (according to colour and type)
Ambient temperature	-20°C - +40°C
Protection	IP 54
Electrical module protection	IP 20
Dimensions	300 x 180 x 129 mm
Weight	9 kg

Use:
The NIJ non-explosive indication unit serves for presenting information on a light display e.g. in transportation, signalling the status of a reservoir, drive operation, information in switchboard stations and a control room in an environment with gas and dust explosion hazard.

Description:
The device consists of a steel welded case with two separated spaces. The enclosure case is made as a steel weldment of metal plates. The NV-32 is screwed in on the face of the case.

The enclosure space is divided to a terminal block and instrument part. The used indicating lamp can be delivered red, blue, white, green or yellow.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.

ZAM-SERVIS s.r.o. Křišťanova 1116/14 702 00 Ostrava - Přívoz
tel.: +420 596 135 422, email: zam@zam.cz, www.zam.cz