PEPPERL+FUCHS

Mounting instruction for (MULTI)VIPET–N–EM

VIPET-N-EM and MULTIVIPET-N-EM are dust-proof and water-proof emergency fittings suitable for use in both indoor and outdoor applications where a risk of explosion is present..
VIPET-N-EM is used for non-maintained emergency lighting and MULTIVIPET-N-EM is used for maintained emergency lighting.

Nominal luminous flux and luminous flux in emergency mode is as follows:

Type	Nominal luminous flux	Luminous flux in emergency mode 1h/3 h	type	Nominal luminous flux	Luminous flux in emergency mode 1h/3 h
1 x 18W	1350lm	13% / 15%	1 x 58	5200lm	7% / 7%
1 x 36W	3350lm	11% / 12%			

Type 1x18W/T26 only in VIPET-N-EM (non-maintained emergency lighting).

Mounting

1. Remove fitting from cardboard carton.
2. Remove diffuser and reflector from housing by releasing retaining clips.
3. Install glands and plugs in to provided entries in housing.
4. Mount provided brackets to ceiling or wall and push housing securely in to place (See picture 1 below).
   A self-locking cable suspender can be provided as an optional extra if necessary (See picture 2 below).
5. Pull supply cable through cable gland and tighten as necessary. Provided gland will suit flexible cable from 9-12mm.
6. Hang reflector on plastic suspendors to allow wiring access.
7. Connect supply cable to provided terminal block:

VIPET-N-EM
Terminal L1 - Phase wire
Terminal N - Neutral wire
Terminal ⏚ - Earth wire

MULTIVIPET-N-EM
Terminal L1 - Phase wire
Terminal L2 - Switched phase
Terminal N - Neutral wire
Terminal ⏚ - Earth wire

It is recommended to strip the cable insulation back by 8–9mm before wiring in to terminal block.
Each terminal block connection point is permitted to recieve two cables between 0.5–2.5mm^2.

8. Indicate the date of installation on battery.
9. Install reflector in housing and secure in place with the two plastic twist-bolts.
10. Install suitable lamp (not provided) and twist in to operation position.
11. Test fitting operation using red test button (ensuring no hazardous atmosphere is present).
12. Offer diffuser to housing and fasten with steel locking clips. Please ensure that seal is engaged correctly.

Testing of operation :
Press red testing buton in any mode of operation.
Ensure that conditions of the enclosed statement of emergency fitting testing is adhered to!

Warning for installation of VIPET-N and MULTIVIPET-N light fittings:

The fitting can be connected by authorised person only.
When the mounting instructions are not adhered to, the manufacturer will not be held responsible for the incidental damages incurred.
Producer is part of systém of regresive acceptance and recycling covers of EKO-KOM company (EK-F06022453)
Lighting fixtures are not allowed to be used in atmospheres that contain vibrations, mechanical tension, aggresive chemical substances and smear. These atmospheres reduce service life of plastic parts.

Maintainance:
Construction of lighting fitting does not need any special maintainance. Body can be cleaned with tepid water and added detergent cleaning agent.

Max. allowed number of one phase through wiring connected fittings VIPET-N-EM:

MULTIVIPET - N – EM, uncompensated		MULTIVIPET - N – EM, compensated		MULTIVIPET - N – EM – EP, electronic ballast	
2x18W	13	2x18W	15	2x18W	15
1x36W	23	1x36W	32	1x36W	16
2x36W	11	2x36W	15	2x36W	10
1x58W	15	1x58W	20	1x58W	16
2x58W	7	2x58W	10	2x58W	7

PEPPERL+FUCHS

Technical conditions for operation and maintenance series VIPET–N–EM and MULTIVIPET–N–EM

1. Application
These fittings are used in areas with danger of explosion:

	marking of external influences	Area classification	
		Marking	Norm
Danger of inflammable dust explosion	BE3N1	ZONE 22	ČSN EN 50 281-1-2: 1999
Danger of inflammable gas and vapour explosion	BE3N2	ZONE 2	ČSN EN 60 079-10: 1997 ČSN EN 60 079-14: 1997

The fittings are designed for operation in ambient temperature from 0°C to +30°C.

2. Operation and maintenance instructions:
- The fittings for above mentioned areas are used in accordance with valid norms ČSN EN.
- The fitting can not be opened whilst live.
- Free holes for supply cables that are not used for cable glands must be closed by sealing plugs (M20).
- In explosive atmospheres, the fitting can be cleaned with a wet towel, whilst cleaners must be grounded.
- The series MULTIVIPET-N-EM can be used with 1F through wiring. Maximum allowed number of the fittings in such connection is referred in previous table.
- Recommended protection for through wiring connected fittings is mcb type B, 10A.
- The fittings are certified by FTZÚ - SZ 210, Ostrava - Radvanice: **Certificate FTZÚ 05 ATEX 0200** from date 31.8.2005

Marking:

VIPET - N – EM	
1x18W	II 3GD EEx nA II T5; T42°C
1x36W	II 3GD EEx nA II T5; T42°C
1x58W	II 3GD EEx nA II T4; T42°C

MULTIVIPET - N – EM		MULTIVIPET - N – EM - EP	
2x18W	II 3GD EEx nA II T4; T75°C	2x18W	II 3GD EEx nA II T4; T75°C
1x36W	II 3GD EEx nA II T4; T75°C	1x36W	II 3GD EEx nA II T4; T75°C
2x36W	II 3GD EEx nA II T4; T75°C	2x36W	II 3GD EEx nA II T4; T75°C
1x58W	II 3GD EEx nA II T4; T75°C	1x58W	II 3GD EEx nA II T4; T75°C
2x58W	II 3GD EEx nA II T4; T75°C	2x58W	II 3GD EEx nA II T4; T75°C

Battery change:

Battery change is necessary in case of incorrect operation of the fitting in accordance with requirements for nominal durability of operating. In area with danger of explosion is strictly prohibited to disconnect the battery from emergency unit. It is allowed to disconnect the fitting from supply voltage and take out complete reflector from the housing.

1. Ensure safe disconnection of the fitting from supply voltage.
2. Open the fitting with cover and take out reflector.
3. Disconnect supply cable from terminal block.
4. In non-explosive area disconnect battery from emergency unit in the fitting as „-“ black conductor and „+“ red conductor.
5. Remove matrix of retaining battery holder.
6. Take out holder and battery .
7. Put in new battery and fix by means of holder (indicate date of operation on battery).
8. Connect conductors to battery as „+“red conductor and „-“ black conductor.
9. Connect the fitting to supply voltage.
10. Equip the fitting with reflector and cover then fix cover with clips.

Attention : The battery can only be exchanged for an equivalent battery from original equipment manufacturer!