



THX T5/T8

LAMPHOLDER FOR T5 AND T8 FLUORESCENT LAMP

Author : Barel AS
Rev 10
Date : 05.11.2013

Barel AS
9917 Kirkenes
Norway
www.barel.no

CONTENTS :

| | | |
|----------|-----------------------------------|----------|
| 1 | APPLICATIONS | 2 |
| 2 | APPROVALS THX | 2 |
| 3 | THX TECHNICAL DATA | 3 |
| 3.1 | PRODUCT RANGE THX : | 3 |
| 3.2 | MECHANICAL DATA THX : | 4 |
| 4 | INSTALLATIONS OF THX | 5 |
| 4.1 | ELECTRICAL CONNECTION..... | 5 |
| 5 | WHAT TO DO IF... | 5 |



TECHNICAL PRODUCT INFORMATION

1 Applications

The THX T5/T8 lampholders are approved only to be installed in Ex e enclosures.

The lampholder will be suitable for use in explosive gas atmospheres like:

- Oil Industry Off- & On-shore Installations, Gas Stations, Fuel Reservoirs, Oil Tankers
- Mining Industry Mines, Plants, Mills
- Chemical Industry Production Plants

2 Approvals THX

Approvals :

Ex protection Code

II 2G Ex eb IIC

- IECEx Certificate :
- ATEX no.
- INMETRO

NEM 08.0001U
Nemko 07ATEX1273U
11/UL-BRHZ-0139U

Reference standards :

- EN/IEC 60079-0:
- EN/IEC 60079-7:

2009
2007

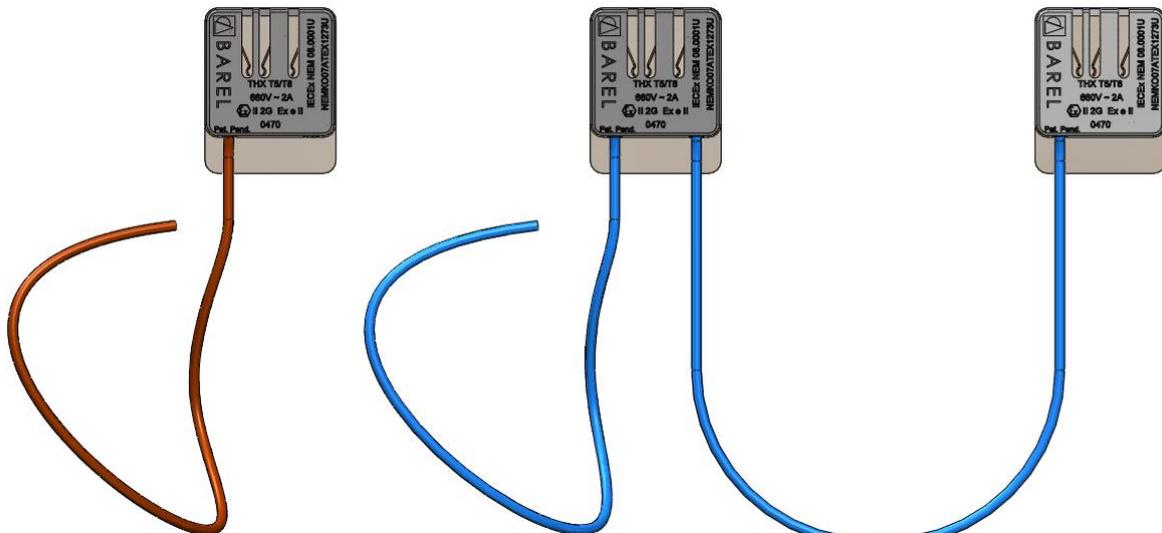
TECHNICAL PRODUCT INFORMATION

3 THX Technical data

3.1 Product range THX :

| Wire color | Size | Type | | Barel Art |
|------------|------|----------|-----------------------|-----------|
| Blue | 17mm | Standard | THX T5/T8 | 92059 |
| Blue | 12mm | Standard | THX T5/T8 Slim | 92060 |
| Blue | 17mm | Double | THX T5/T8 Double | 92061 |
| Blue | 12mm | Double | THX T5/T8 Slim Double | 92062 |
| | | | | |
| Brown | 17mm | Standard | THX T5/T8 | 92063 |
| Brown | 12mm | Standard | THX T5/T8 Slim | 92064 |
| Brown | 17mm | Double | THX T5/T8 Double | 92065 |
| Brown | 12mm | Double | THX T5/T8 Slim Double | 92066 |

| | |
|--------------------------------|------------------------------|
| Maximum voltage/current rating | Service temperature (COT °C) |
| 660V/2A | -30°C to +96°C |

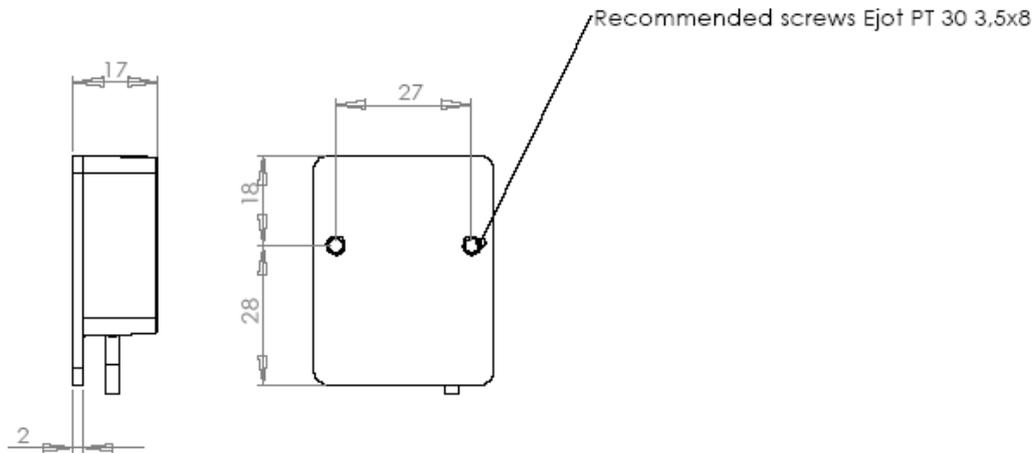


Standard version, wire length 1350mm

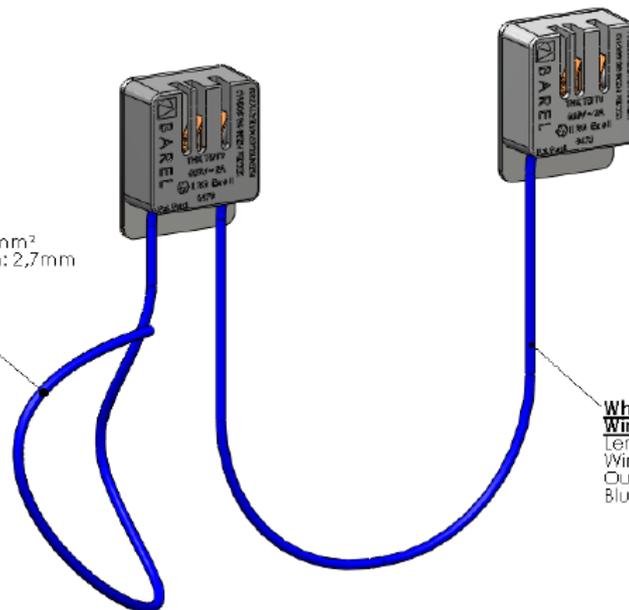
Double version, wire length 1350mm + 200mm

TECHNICAL PRODUCT INFORMATION

3.2 Mechanical data THX :



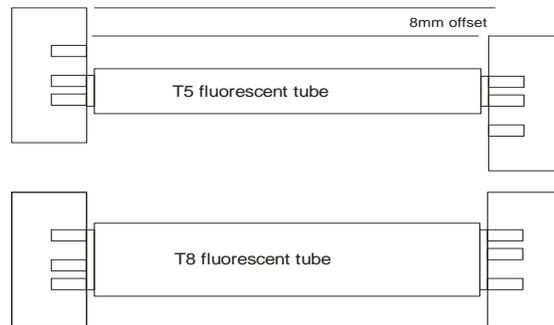
Wire data
Length: 1350mm
Wires: 7 chords copper total 1mm²
Outer diameter with insulation: 2,7mm
Blue/brown insulation



When used in pairs
Wire data connection
Length: 200mm
Wires: 7 chords copper total 1mm²
Outer diameter with insulation: 2,7mm
Blue/brown insulation

TECHNICAL PRODUCT INFORMATION

4 Installations of THX



Lampholder should be aligned with an 8mm offset when used for T5 tubes.
Recommended screw: Ejot PT 30 3,5x8

The THX lampholders shall only be used in a maximum service temperature range of -30°C to +96°C.

The lampholders shall be mounted completely within an Ex e luminaire enclosure. When fitting the lampholders, the luminaire must be vibration tested in accordance with the requirements of IEC 60079-7:2006, Clause 6.3.4.

When mounted within an Ex e luminaire, the lamp holders shall comply with the requirements of IEC 60079-7:2007 Clause 5.3.7.4.

The lamp holders are to be mounted on a solid insulating plate to ensure that the creepage and clearance distances of IEC 60079-7:2006, Table 1 are met. Creepage and Clearance distance shall also be met under IEC 60079-7:2007 Clause 5.3.7.5 starting impulse conditions.

This component does not cause harm or injury when used as specified in these instructions. If this is equipment is not utilised in a manner specified by the manufacturer, the protection by the equipment may be impaired.

4.1 Electrical connection

Wire length: 1350mm (1350mm + 200mm in double version)
Multiwire, 7 chords copper 1mm²
Outer diameter with insulation: 2,7mm

5 What to do if...

Do not attempt to open or repair a broken or defect unit. Replace broken unit with a new lampholder. Contact the manufacturer or any representative for replacement.