

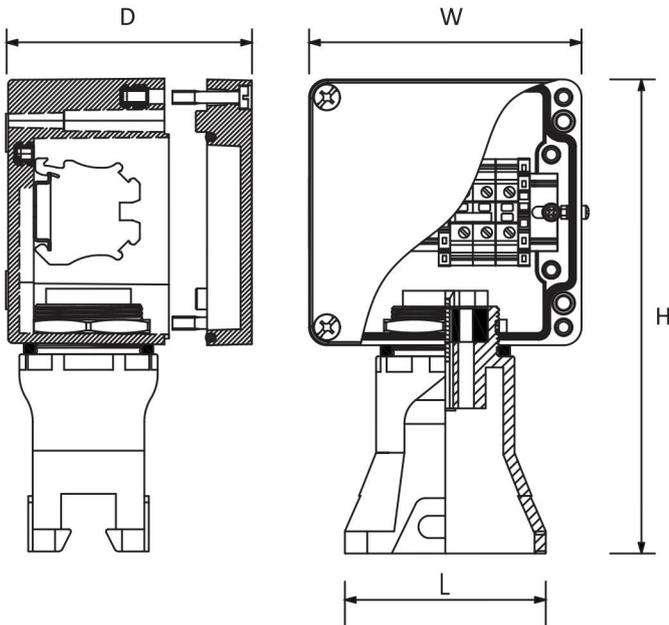
# PYEX-EP-JBP

Power connection, T-splicing, End termination  
GRP enclosure with plastic pipe-mount



<p>Features</p>	<p>The PYEX-EP-JBP is an Ex certified GRP enclosure with engineering plastic pipe-mount designed and manufactured to meet all requirements from relevant international standards for industrial heat tracing cable system especially for hazardous location such as petrochemical plant, gas plant, ship and off-shore facility. It is used for the connection and termination of self-regulating heating cables.</p>						
<p>Specification</p>	<p>Protection type : Ex eb IIC                  Applicable heating cables in hazardous location : FBL, FBH, FBX, FBZ                  Temperature classification                      FBL : T6 (85°C)                      FBH : T4 (135°C)                      FBX15x / 30x / 45x, FBZ15x / 30x / 45x : T3 (200°C)                      FBX60x, FBZ60x : T2 (220°C)                  Enclosure service temperature : -55°C to 135°C                  Plastic pipe-mount service temperature on the pipe :-50°C to 200°C                  Max rated voltage 277Vac                  Max load current : 50A for PYEX-EP-JBP-12 &amp; 16, 100A for PYEX-EP-JBP-26                  Ingress protection : IP66 (when assembled with heating cables)                  Enclosure material : Glassfibre reinforced polyester / UV stabilized                  Pipe-mount material : PPS                  Impact resistance : 7J                  Flammability : Self-extinguishing UL 94V-0                  Color : Graphite black                  Gasket and seal : Flame-proof silicone rubber                  Maximum power conductor cross section : 10mm<sup>2</sup>                  Thread for power cable entry : Max. M25, PF3/4, NPT3/4-14                  Approval : KCs, ATEX, IECEx                  Reference standards : IEC60079-0, IEC60079-7, IEC60079-30-1</p>						
<p>Selection Code</p>	<p>PYEX-EP-JBP    -    12    -    P                                    ①                    ②                    ③</p> <table border="1"> <tr> <td data-bbox="528 1653 624 1686">①</td> <td data-bbox="627 1653 1177 1686">Model</td> </tr> <tr> <td data-bbox="528 1731 624 1765">②</td> <td data-bbox="627 1686 1177 1809">Enclosure size 12: 120x120x90 mm 16: 160x120x90 mm 26: 260x120x90 mm</td> </tr> <tr> <td data-bbox="528 1854 624 1888">③</td> <td data-bbox="627 1809 1177 1933">Function P: Power connection, T: T-Splicing E: End termination</td> </tr> </table>	①	Model	②	Enclosure size 12: 120x120x90 mm 16: 160x120x90 mm 26: 260x120x90 mm	③	Function P: Power connection, T: T-Splicing E: End termination
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<p>Certification</p>							

## Product drawing



### Note

The dimension of assembled enclosure system varies depending on the choice of enclosure size.

Model	W	H	L	D
PYEX-EP-JBP-12	122	244	90	90
PYEX-EP-JBP-16	160	284	90	90
PYEX-EP-JBP-26	260	254	90	90

## Components

Part Name	Description
PYEX-EP-JB	12 : 122x120x90 16 : 160x160x90 26 : 260x160x90
PYEX-EP-LID	Enclosure lid
PYEX-EP-BODY	Enclosure body
PYEX-TBP	Ex Terminal block for power
PYEX-TBE	Ex Terminal block for earth (Yellow/Green)
PYEX-MEMT	Mount
PYEX-JBP-HS	Heater seal
PYEX-EAS	Earth stud (Optional)

## Seal selection and applicable heaters

Part No	Width(A)	Height(B)	Applicable Heaters	Outer Jacket
JBP-HS116	11.6	5.6	FBL 10,16,24	Fluoropolymer -CF / Polyolefin -CP
JBP-HS122	12.2	4.6	FBX FBZ 15,30,45,60	Fluoropolymer -CT
JBP-HS127	12.7	5.2	FBH 15,30,45	Fluoropolymer -CT
JBP-HS136	13.6	5.6	FBL 30	Fluoropolymer -CF / Polyolefin -CP
JBP-HS143	14.3	5.4	FBH 60	Fluoropolymer -CT

All dimensions are in mm.