

OPTICAL FIBRE SPLITTER BOX



CERTIFIED FOR INCREASED SAFETY
APPLICATION AREAS



DESCRIPTION:

Topside splitter boxes for optical fibre cables are supplied by PCS Italiana for cables transition between submarine cable and topside/land cable prior to relevant routing to the patch panel.

ATEX and NEMA 4.X splitter boxes are available in different designs and materials (SS316L or in carbon and alloy steel); painting may be available upon specific requirement

- Ex-Op type up to IP66 for optical fibre splicing up to 288 fibres

All terminations, earthing, glands and breather relevant to the supply are comprised

Certification by CESI with Certificate No. CESI 13 ATEX 058 - IT/CES 14.....

Type: II 3G Ex-ec op pr IIC T6 Gc II 3 D Ex tc IIIC T 120° C Dc IP 66/67

Certification by CESI with Certificate No. CESI 16 ATEX 004 - IT/CES 14.....

Type: II 2G Ex-eb op pr IIC T6 Gb II 2 D Ex tb IIIC T 120° C Dc IP 66/67

All PCS Italiana JB are also available in NEMA 4.X version.

LIMIT CONDITIONS FOR OPERATION:

For use in an explosive atmosphere consisting of a mixture of air and flammable substances in the form of gas, vapours, mists (G), the environmental conditions for operation are:

Continuous operation temperature (COT): -from 40° C to + 60° C

Pressure: from 80 to 110 (kPa) from 0.8 to 1.1 bar

Oxygen (O₂) in air: 21 (%) v/v

For use in unexplosive atmospheres consisting of a mixture of air and combustible dust (D), the equipment provides a level of effective protection for powders with a particle size average from 75 (µm) to higher.

MATERIAL:

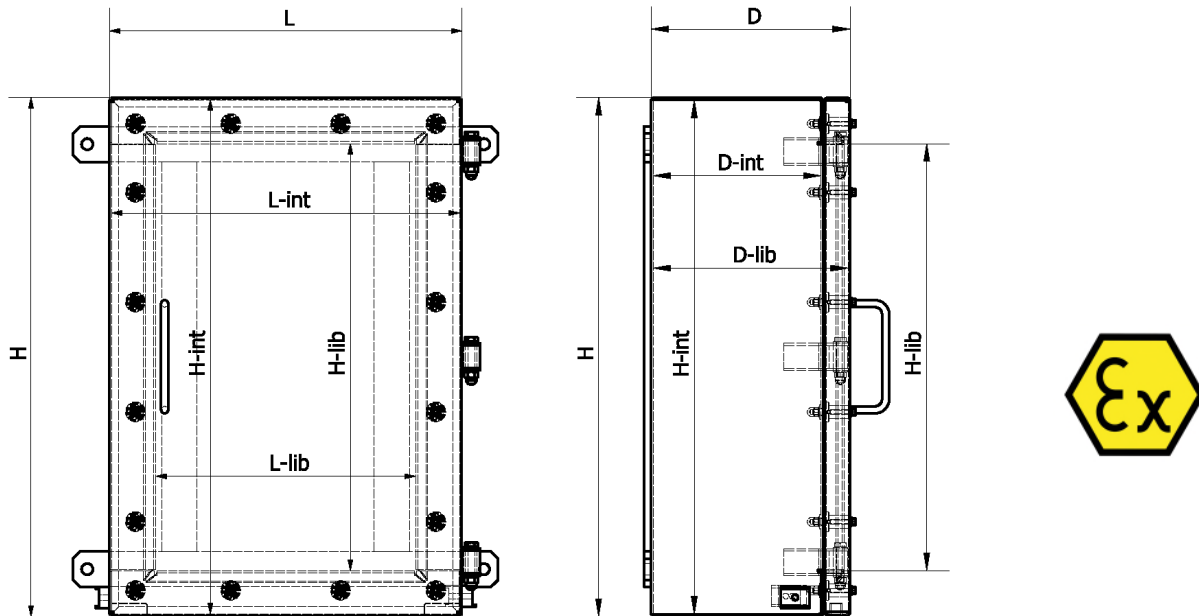
- *Main Body: Carbon steel/alloy steel or SS316L according to (painting available upon request)*
- *Bolts & Nuts: AISI A4/70*
- *Inner splicing box: Stahl or PCS*

ENTRY DATA FOR DIMENSIONING:

- *Cable type and diameter*
- *Platform positioning*

FIBRE OPTIC SPLITTER BOX

TABLE OF DIMENSIONS AND TYPES



CERTIFIED FOR INCREASED SAFETY
APPLICATION AREAS

ID	CODE	CATEGORY		TYPE	L [mm]	H [mm]	D [mm]	L _{int} [mm]	H _{int} [mm]	D _{int} [mm]	L _{lib} [mm]	H _{lib} [mm]	D _{lib} [mm]	weight [kg]
01	OFJB-01-Ex-2A	CAT. 2	up to 72 fibre	Type - A	356	506	194	350	500	150	226	376	188	35
	OFJB-01-Ex-3A	CAT. 3												
02	OFJB-02-Ex-2A	CAT. 2	up to 48 fibre	Type - A	356	506	284	350	500	240	226	376	278	40
	OFJB-02-Ex-3A	CAT. 3												
03	OFJB-03-Ex-2A	CAT. 2	up to 72 fibre	Type - A	506	706	194	500	700	150	376	576	188	50
	OFJB-03-Ex-3A	CAT. 3												
04	OFJB-04-Ex-2A	CAT. 2	up to 96 fibre	Type - A	506	706	284	500	700	240	376	576	278	55
	OFJB-04-Ex-3A	CAT. 3												
	OFJB-04-Ex-2B	CAT. 2	up to 48 fibre	Type - B										
	OFJB-04-Ex-3B	CAT. 3												
05	OFJB-05-Ex-2A	CAT. 2	up to 144 fibre	Type - A	506	706	394	500	700	350	376	576	388	60
	OFJB-05-Ex-3A	CAT. 3												
	OFJB-05-Ex-2B	CAT. 2	up to 48 fibre	Type - B										
	OFJB-05-Ex-3B	CAT. 3												
06	OFJB-06-Ex-2A	CAT. 2	up to 144 fibre	Type - A	706	706	194	700	700	150	576	576	188	65
	OFJB-06-Ex-3A	CAT. 3												
07	OFJB-07-Ex-2A	CAT. 2	up to 192 fibre	Type - A	706	706	284	700	700	240	576	576	278	70
	OFJB-07-Ex-3A	CAT. 3												
	OFJB-07-Ex-2B	CAT. 2	up to 96 fibre	Type - B										
	OFJB-07-Ex-3B	CAT. 3												
08	OFJB-08-Ex-2A	CAT. 2	up to 288 fibre	Type - A	706	706	394	700	700	350	576	576	388	75
	OFJB-08-Ex-3A	CAT. 3												
	OFJB-08-Ex-2B	CAT. 2	up to 96 fibre	Type - B										
	OFJB-08-Ex-3B	CAT. 3												