



LINE COSMEC

JUNCTION BOXES FIREPROOF



CERTIFIED AND GUARANTEED SECURITY

For over twenty years, the DKC Group has been developing reliable solutions for system continuity and protection, combining **high-quality construction and technical expertise** with a clear understanding of the market's real needs. The **Fireproof Junction Boxes** from

the **Cosmec Line**, designed and made in Italy, offer top performances even in **extreme environments** and **critical locations** like hospitals, schools, tunnels and public infrastructure. A **concrete solution** designed for those in search of **reliability and practicality**:

- **Shorter construction site times**
 - **Quicker, easier installation**
 - **Consistently high quality standards**
- Choosing DKC means placing your trust in a partner that prioritises quality and technical support, every step of the way.

Fireproof junction boxes

The fireproof junction boxes have been designed to guarantee the continuity of emergency circuits even in the event of a fire, ensuring that safety devices will continue to work when they're needed most. Compliant with standard IEC 60331-1, they guarantee the continued operation of electrical circuits for up to 120 minutes in the event of a fire, placing them in the

PH120 classification pursuant to standard EN 50200. These performances satisfy the requirements of standard CEI 64-20 regarding the installation of electrical systems in road and motorway tunnels. Furthermore, they are classified in categories E30, E60 and E90 pursuant to standard DIN 4102-12, based on the length of time for which they remain functional

during exposure to fire. Our boxes are the ideal choice for use in high-priority environments, like public structures, hospitals, schools and tunnels. An indispensable solution, guaranteeing the continuity of fire alarm systems, emergency lighting, and other devices crucial to the safety of people and places.

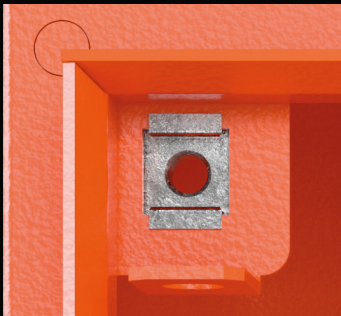
TECHNICAL FEATURES

- Material**
Steel sheet with impact and corrosion resistance.
- Colour**
Non-toxic, anti-UV RAL 2003 polyester paint, oven-polymerised.
- Protection rating**
IP66 in accordance with EN 62208.
- Impact resistance rating**
IK10 in accordance with IEC EN 62208.
- Functional conditions**
830° C 120' IEC 60331-1.

CONFORMITY AND APPROVALS



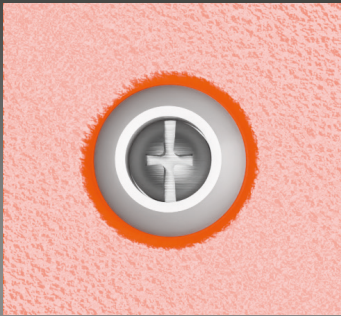
 FIREPROOF



Cage nut for easy front panel attachment.



Protection rating guaranteed by two-component polyurethane foam gasket.



Screws with gaskets to preserve IP rating.



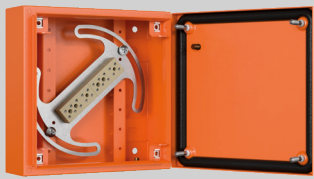
Electro-welded rails with 25 mm pitch holes for the attachment of finishing accessories.



E30 E60 E90

PREFITTED BOXES

PREFITTED
JUNCTION
BOXES

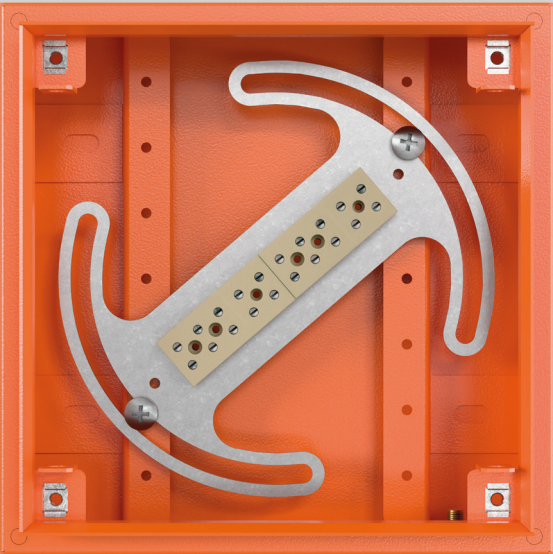


Boxes supplied with **holes already made**, complete with **plastic cable grommets** for safe and rapid installation. Inside, they are fitted with:

- **An adaptable back plate**, for greater flexibility in housing the components;
- **A 5-pole ceramic terminal block**, available in two sizes: **6 mm²** and **16 mm²**.

CODE	DIMENSIONS (mm)			NO. POLES	HOLES
	HEIGHT	HEIGHT	DEPTH		
FP9001	150	150	80	5x6	4xM25
FP9002	200	200	120	5x16	4xM40

Strong, reliable and customisable: the **Fireproof** boxes from the **Cosmec** Line are a safe and versatile solution. Made from high-quality materials, they can be fitted upon request with **perforations to suit specifications, cable glands, assembly plates, DIN bars, terminal blocks and pre-assembled wiring**, in order to satisfy the specific needs of any project. Thanks to DKC's extensive experience, **technical support is guaranteed from design to samples upon request**, including for complex applications and the most demanding environments. A range designed for those seeking **reliability, versatility, and a partner with the ability to develop customised solutions**.



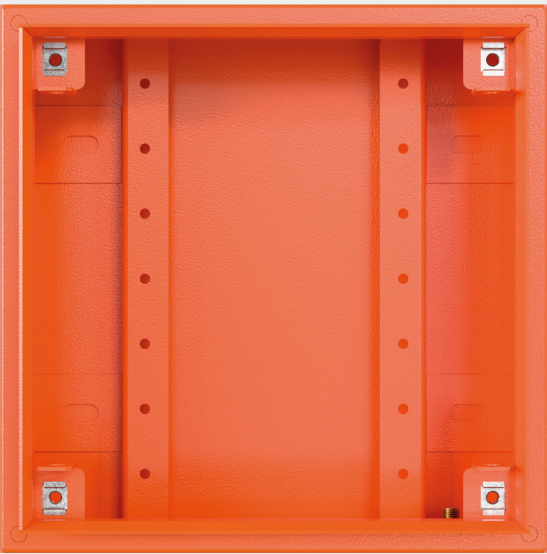
Version prefitted with adaptable back plate and ceramic terminal block.

STANDARD BOXES

JUNCTION
BOXES



	CODE	DIMENSIONS (mm)	
		WIDTH	DEPTH
H 150	FP1180	150	80
	FP11120	150	120
H 180	FP9180	150	80
H 200	FP2980	180	80
	FP2280	200	80
	FP22120	200	120
H 300	FP3180	150	80
	FP31120	150	120
	FP3280	200	80
	FP32120	200	120
	FP33120	300	120
H 400	FP4280	200	80
	FP42120	200	120
	FP43120	300	120
	FP44120	400	120



Standard version, not prefitted.

ACCESSORIES

CABLE GROMMET IN
PLASTIC MATERIAL



CODE	HOLE	MAX. Ø (mm)
FPC25	M25	22
FPC40	M40	34

CABLE GLAND IN
NICKEL-PLATED BRASS



CODE	CABLE TIGHTENING ø Min ÷ Max	DIMENSIONS (mm)		Ø HOLES (mm)
		F1	LF	
6018-M16A	5 ÷ 9	M16 x 1.5	10	16.2
6018-M1620	8 ÷ 12	M16 x 1.5	10	16.2
6018-M20	8 ÷ 12	M20 x 1.5	10	20.4
6018-M2025	11 ÷ 16	M20 x 1.5	10	20.4
6018-M25	11 ÷ 16	M25x1.5	10	25.4
6018-M2532	15 ÷ 21	M25x1.5	10	25.4
6018-M32	15 ÷ 21	M32x1.5	10	32.5
6018-M3240	20 ÷ 27	M32x1.5	10	32.5
6018-M40	20 ÷ 27	M40x1.5	12	40.5

RING NUTS IN
NICKEL-PLATED BRASS



CODE	DIMENSIONS (mm)	
	F	S
6006-16A	M16x1,5	5.5
6006-20	M20x1,5	5.5
6006-25	M25x1,5	5.5
6006-32A	M32x1,5	7.5
6006-40	M40x1,5	6.5

PLUGS



CODE	DIMENSIONS (mm)	
	F	LF
6050-16A	M16 x 1.5	8
6050-20	M20 x 1.5	8
6050-25	M25x1.5	10
6050-32A	M32x1.5	10
6050-40	M40x1.5	12

CERAMIC
TERMINAL BLOCKS



CODE	NO. POLES	TIGHTENING
MHT206	2	2x6 mm²
MHT306	3	3x6 mm²
MHT216	2	2x16 mm²
MHT316	3	3x16 mm²

CERAMIC
FUSE HOLDER



CODE	RATED CURRENT	FUSE TYPE
FHTD01A	16A	D01

UNIVERSAL
FIXING BRACKET



CODE	PACK. / MAXIMUM LOAD (kg)
FPA62	4 x 100

HINGE



CODE	PACKAGE/PC.
FPA02	6

DIN PROFILES

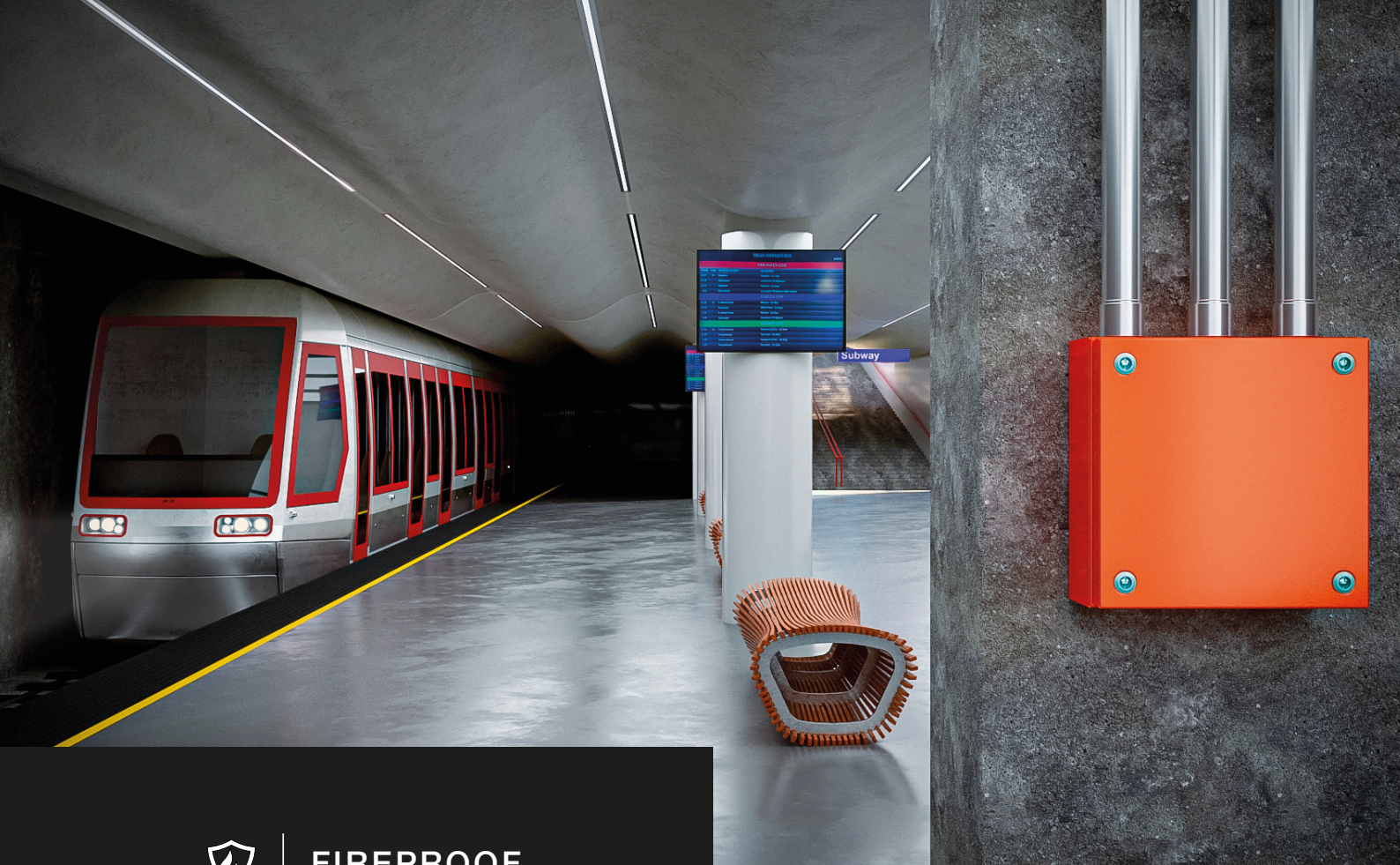


CODE	BOX HEIGHT (mm)
FPO15	150
FPO18	180
FPO20	200
FPO30	300
FPO40	400

ADAPTABLE
BACK PLATE



CODE	BOX MEASUREMENTS (mm)
FPP11	150x150
FPP22	200x200



FIREPROOF



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