

Fire Rated Junction Boxes

BKP-1 Fire Rated Electrical Junction Box

(technical data brief)



BKP-1 (БКП-1) fire rated junction boxes are designed for use in low-current electrical installations such as:

- fire alarm notification system;
- fire alarm and emergency lighting (up to 50 V);
- central fire alarm monitoring;
- fire protection system monitoring;
- other systems used during firefighting and rescue operations.

Features

- Sheet steel enclosure, high-temperature ceramic terminals and resistors
- Powder coating protection.
- Non-flammable, halogen-free materials
- Making branches (spurs) and the trunk extension without cutting the main cable core
- Reliable electric contacts
- Well-ordered wire arrangement

Technical data

Electrical appliance class	III
Functional integrity (according to ДБН В.2.5-56:2014)	P30 (E30), P90 (E90)
Insulation voltage	up to AC 50 V or DC 110 V
Conductor cross section	0,5 - 2,5 mm ²
Cable entry/exit:	Ø 14,5 mm (2 precut openings) 31 x 17 mm (2 prepunched knockouts) 11 x 8 mm (2 precut openings)
Enclosure IP rating	IP30
Dimensions (L x W x H), mm	120 x 98 x 33
Weight	≤ 400 g
Enclosure color	orange
Operation temperature	-10 °C to +65 °C
Humidity	up to 95 % (non-condensing)
Average service life	10 years



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Table 1. BKP-1 Fire Rated Junction Box models



БКП-1М – for internal and external connections to the main circuit.



БКП -1MP (with terminating resistors) - used to connect fire alarm notification appliances (sounders, beacons), to add up to 2 spurs or to extend the main circuit.



БКП -1MP (modification 1)



БКП -1МП (with jumpers), modification 1 – used to connect 2-wire trunk lines and make up to 4 branches.



БКП -1МП, modification 2 – used to connect 2-wire trunk lines and make up to 3 two-wire branches



БКП -1МП, modification 3 - used to connect 2-wire trunk lines and make up to 3 branches with 2 additional elements.



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