Saves Your Energy

Degree of protection

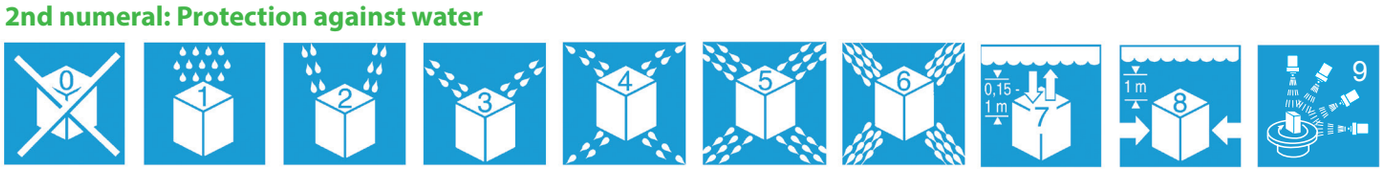
Ensto Cubo enclosures

IP Code (European standard EN 60529)

The IP Code consists of the letters IP followed by two digits and an optional letter. The first numeral of the code classifies the degrees of protection provided against the intrusion of solid objects and dust. The second numeral specifies the protection against water. The optional letter may be appended to classify only the level of protection against human access to hazardous components.

1st numeral: Protection against intrusion

2nd numeral: Protection against water



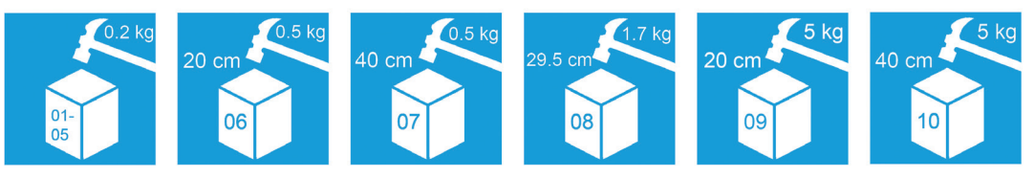
1st numeral		2nd numeral	
0	No protection	0	No protection
1	Protection against objects ≥ 50 mm	1	Protection against vertically falling water drops
2	Protection against objects ≥ 12.5 mm	2	Protection against rain drops falling at max. 15° angle
3	Protection against objects ≥ 2.5 mm	3	Protection against rain drops falling at max. 60° angle
4	Protection against solid objects ≥ 1 mm	4	Protection against rain drops falling from all directions
5	Protection against dust, limited intrusion acceptable in all directions	5	Protection against low pressure jet water from all directions*
6	Total protection against dust	6	Protection against jet water under pressure*
		7	Protection against water intrusion under submersion at 1 m depth, 0.5 hour
		8	Protection against water intrusion under long term submersion under pressure
		9	Protection against high pressure and high temperature water jets

*Minor intrusion acceptable

IK code (European standard EN 62262)

IK code is an international numerical classification for the degree of protection provided by enclosures for electrical equipment against external mechanical impact. The IK code for our thermoplastic enclosures ranges between IK06 and IK10.

Protection against external mechanical impact



IK code	Impact energy (joules)
01-05	<1
06	1
07	2
08	5
09	10
10	20

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5/2016