


## SOLID PROTECTION

## WATER PROTECTION

<b>0</b>		Non protected
<b>1</b>		Protected against a solid object greater than 50 mm, such as a hand.
<b>2</b>		Protected against a solid object greater than 12 mm, such as a finger.
<b>3</b>		Protected against a solid object greater than 2.5 mm, such as a screwdriver.
<b>4</b>		Protected against a solid object greater than 1 mm, such as most screws and wires.
<b>5</b>		Dust protected. Prevents ingress of dust sufficient to cause harm.
<b>6</b>		Dust tight. no ingress of dust.

<b>0</b>		Non protected
<b>1</b>		Protected against vertical dripping water. Limited liquid entry.
<b>2</b>		Protected against vertical dripping water when tilted up 15°. Limited liquid entry.
<b>3</b>		Protected against spraying water at an angle 60°. Limited liquid entry.
<b>4</b>		Protected against splashes of water at any angle. Limited liquid entry.
<b>5</b>		Protected against low pressure water jets from any directions. Limited liquid entry.
<b>6</b>		Protected against high pressure water jets from any directions. Limited liquid entry.
<b>7</b>		Protected against the effects immersion of water between 15 cm and 1 m for 30 minutes.
<b>8</b>		Protected against the effects immersion of water under pressure for long periods.
<b>9</b>		Protected from close-range, powerful, high-temperature water jets.



The IP rating system is defined in international standard IEC 605029. IP ratings are used to classify and define of ingress protection on electrical devices against solids and water. By defining a rating, the IP system ensures specific levels of overate when products are faced with varying elements.

# ATEX Zones

Zone: a place in which an explosive atmosphere is...	ATEX Zone	
	Gases	Dusts
Continually present	0	20
Likely to occur in normal operation occasionally	1	21
Unlikely to occur in normal operation and only for very short durations	2	22

