





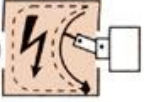

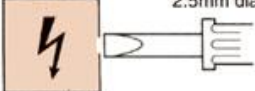

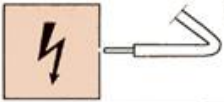
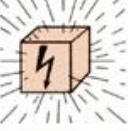

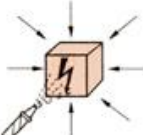
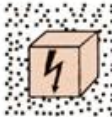

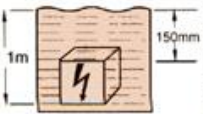
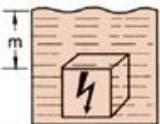
## Koruma Sınıfı IP(Ingress Protection veya International Protection) Numarası

Herhangi bir koruyucu kutu aldığınızda üzerinde koruma sınıfını belirtir bir "IP" numarası görürsünüz. Koruma sınıfı numarası IP arkasından 2 basamaklı bir numarayla ifade edilir (IP XY). Birinci basamak (X) büyük parçalara (ve tabii ki kişilere) karşı korumayı, ikinci basamak (Y) sıvılara karşı korumayı belirtir. Genel olarak rakkamlar ne kadar büyük ise o kadar korunaklı olduğu anlaşılır.

Aşağıdaki tabloda koruma sınıfı özetini görebilirsiniz.

	X: Katı Cisimlere Karşı Koruma	Y: Sıvılara Karşı Koruma
0	Korumasız	Korumasız
1	Çapı 50 mm'den büyük cisimlere (Elin arkasına) karşı	Damlayan suya karşı
2	Çapı 12.5 mm'den büyük cisimlere (Parmağa) karşı	Dikeyden 15°ye kadar açıyla damlayan suya karşı
3	Çapı 2.5 mm'den büyük cisimlere (El aleti) karşı	Dikeyden 60°ye kadar açıyla püsküren (0.07 l/dak) suya karşı
4	Çapı 1 mm'den büyük cisimlere (Kablo damarı) karşı	Her yönden püsküren (0.07 l/dak) suya karşı
5	Toz taneciklerine karşı	Her yönden düşük basınçlı (12.5 l/dak) sulamaya karşı
6	Toz geçirmez	Her yönden yüksek basınçlı (100 l/dak) sulamaya karşı
7		15-100 cm arasındaki derinlikte geçici süre kalmaya karşı
8		Su altında belirtilen derinlikte kalmaya uygun

## Handy reference table for I.P. ratings

<i>First characteristic numeral</i>				<i>Second characteristic numeral</i>			
Protection against solid foreign objects			Degree of protection for people against access to hazardous parts with:	Protection against harmful ingress of water			Degree of protection from water
I.P.	Example	TESTS		I.P.	Example	TESTS	
<b>0</b>		No protection	<b>Non-protected</b>	<b>0</b>		No protection	<b>Non-protected</b>
<b>1</b>		Full penetration of 50mm diameter of sphere not allowed. Contact with hazardous parts not permitted.	<b>Back of hand</b>	<b>1</b>		Protected against vertically falling drops of water	<b>Vertically dripping</b>
<b>2</b>		Full penetration of 12.5mm diameter of sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.	<b>Finger</b>	<b>2</b>		Protected against vertically falling drops of water with enclosure tilted 15° from the vertical.	<b>Dripping up to 15° from the vertical</b>
<b>3</b>		The access probe of 2.5mm diameter shall not penetrate.	<b>Tool</b>	<b>3</b>		Protected against sprays to 60° from the vertical.	<b>Limited spraying</b>
<b>4</b>		The access probe of 1mm diameter shall not penetrate.	<b>Wire</b>	<b>4</b>		Protected against water splashed from all directions – limited ingress permitted	<b>Splashing from all directions</b>
<b>5</b>		Limited ingress of dust permitted (no harmful deposit).	<b>Dust protected</b>	<b>5</b>		Protected against low pressure jets of water from all directions – limited ingress permitted	<b>Hosing jets from all directions</b>
<b>6</b>		No ingress of dust.	<b>Dust tight</b>	<b>6</b>		Protected against strong jets of water eg for use on ship decks – limited ingress permitted	<b>Strong hosing jets from all directions</b>
				<b>W I R E</b>			
				<b>7</b>		Protected against the effects of immersion between 150mm and 1m	<b>Temporary immersion</b>
				<b>8</b>		Protected against continuous submersion at a specified depth.	<b>Continuous immersion</b>