
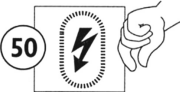
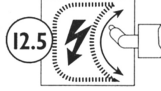
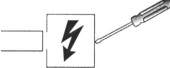





# IP Ratings






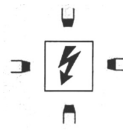
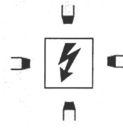

## 1st Numeral

Protection against ingress of solid foreign objects . . . meaning protection of persons against access to hazardous parts with:

<b>0</b> No protection		no protection provided
<b>1</b> Full protection of 50mm ø sphere not allowed and shall have adequate clearance from hazardous parts. Contact with hazardous parts not permitted		back of the hand
<b>2</b> Full penetration of 12.5mm ø sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts		finger
<b>3</b> The access probe of 2.5mm ø shall not penetrate		tool
<b>4</b> The access probe of 1.0mm ø shall not penetrate		wire
<b>5</b> Limited ingress of dust permitted (no harmful deposit, refer to standard)		wire
<b>6</b> Totally protected against ingress of dust		wire

## 2nd Numeral

Protection against harmful ingress of water.

<b>0</b> No protection		no protection provided
<b>1</b> Protected against vertically falling drops of water		vertically dripping
<b>2</b> Protected against vertically falling drops of water with enclosure tilted 15° from the vertical		enclosure tilted 15° from the vertical
<b>3</b> Protected against sprays to 60° from the vertical		limited spraying
<b>4</b> Protected against water splashed from all directions - limited ingress permitted		splashing from all directions
<b>5</b> Protected against low pressure jets of water from all directions - limited ingress permitted		hosing jets from all directions
<b>6</b> Protected against strong jets of water- limited ingress permitted		strong hosing jets from all directions
<b>7</b> Protected against the effects of immersion between 15.0cm and 1.0m		temporary immersion
<b>8</b> Protected against longer periods of immersion under pressure	