

# IP protection guide



Protection against touching live parts or ingress of solid objects

Protection against ingress of liquids

IP	First figure	Second figure
No protection	<b>0</b>	<b>0</b> No protection
Touching by hand or 50mm dia. Objects.	<b>1</b>	<b>1</b> Vertical water droplets No harmful ingress
Touching by finger or 12mm dia. Objects.	<b>2</b>	<b>2</b> Showering at 15° No harmful ingress
Touching by tools or wire 2.5mm dia. or 2.5mm dia. Objects.	<b>3</b>	<b>3</b> Showering at 60° No harmful ingress
Touching by tools or wire 1mm dia. or 1mm dia. Objects.	<b>4</b>	<b>4</b> Splashing from any direction No harmful ingress
Total touch protection or no harmful ingress of dust.	<b>5</b>	<b>5</b> Water jets from any direction No harmful ingress
Total touch protection or no ingress of dust.	<b>6</b>	<b>6</b> Large volumes of water No ingress
		<b>7</b> Immersion up to 1 metre deep No ingress
		<b>8</b> Submersion at specified depths exceeding 1 metre No ingress

