

Safety Class 1

Luminaires for connection to the protective conductor on the mains side. The symbol is attached to the connection point.



Safety Class 2

Luminaires with additional or reinforced insulation. They do not have a protective earth connection. All live parts are at least double insulated.



Safety Class 3

Luminaires for operation with protective low voltage. Electrical safety is ensured by the power supply unit. There may not be a protective conductor connection here either.



IP protection classes

	IP protection class	Description
00.KAT-ART.01	IP20	Cell protected against solid foreign bodies with $\varnothing \geq 12.5\text{mm}$ and against access with one finger, no protection against water
00.KAT-ART.01	IP23	Cell protected against solid foreign bodies with $\varnothing \geq 12.5\text{mm}$ and against access with one finger, Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect
00.KAT-ART.01	IP40	Protected against solid foreign bodies with $\varnothing \geq 1.0\text{mm}$ and against access with a wire, no protection against water
00.KAT-ART.01	IP43	Protected against solid foreign bodies with $\varnothing \geq 1.0\text{mm}$ and against access with a wire, protected against falling spray water up to 60° against the vertical
00.KAT-ART.01	IP44	Protected against solid foreign bodies with $\varnothing \geq 1.0\text{mm}$ and against access with a wire, protected against splash water on all sides
00.KAT-ART.01	IP54	Protected against dust in damaging quantity and complete protection against touch, protected against splash water on all sides
00.KAT-ART.01	IP64	Dust-proof and complete protection against touch, Water splashing against the enclosure from any direction shall have no harmful effect
00.KAT-ART.01	IP65	Dust-proof and complete protection against touch, protected against splash water at any angle
00.KAT-ART.01	IP67	Dust-proof and complete protection against touch, protected against temporary submersion
00.KAT-ART.01	IP68	Dust-proof and complete protection against touch, protected against permanent submersion

