

## VOLTAGE GRADING OF CONNECTORS: DEGREE OF POLLUTION

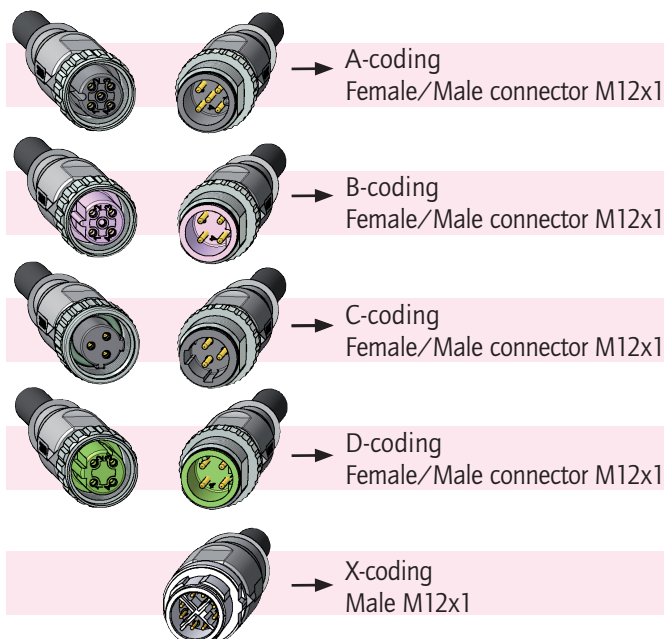
There are four grades in which connectors are classified. This depends to the pollution which can be expected.

In the area of circular connectors its Grade 3 in the majority of cases.

### POLLUTION DEGREE-DEFINITION

Pollution degree	Definition
1	No pollution or only dry, non-conductive pollution occurs. The pollution has no influence.
2	Only non-conductive pollution occurs. Except that occasionally a temporary conductivity caused by condensation is to be expected.
3	Conductive pollution occurs or dry non-conductive pollution occurs which becomes conductive due to condensation which is to be expected.
4	The pollution generates persistent conductivity caused by conductive dust or by rain or snow.

## CODING OF M12x1 CONNECTORS



The coding of M12x1 circular connectors with a pin or a slot on the contact insert prevents identical connectors from being plugged into the wrong place.