

### Operating and ambient conditions

### KV Small-type distribution boards

### Cable entry systems

#### KV Small-type distribution boards

#### Empty boxes

#### ESM ..., EVS 16

#### AVS 16

#### Application area

#### IP 54/65 design:

Suitable for indoor installation - normal environment and/or protected outdoor -

#### Resistant to occasional cleaning procedures (direct jet)

max. with high-pressure cleaner without additives

water pressure: max. 65 bar, water temperature: max. 50° C, distance ≥ 0.5 m

#### box and cable entries at least IP 65

**Ambient temperature**  
 - Average value over 24 hours  
 - Maximum value  
 - Minimum value

+ 35° C  
 + 40° C  
 - 5° C

-  
 + 60° C  
 - 40° C

+ 35° C  
 + 40° C  
 - 25° C

+ 55° C  
 + 70° C  
 - 40° C

**Relative humidity**  
 - short-time

50% at 40° C  
 100% at 25° C

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**Fire protection**  
 in the case of internal faults

#### Demands

placed on electrical devices from standards and laws

#### Minimum requirements

- Glow wire test in accordance with IEC 60 695-2-11:
- 650° C for boxes and cable glands
- 850° C for parts of insulating material necessary to retain current carrying parts in position

**Burning behaviour**  
 - Glow wire test IEC 60 695-2-11  
 - UL Subject 94

750° C  
 V-2  
 flame-retardant  
 self-extinguishing

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**Degree of protection against mechanical load**

IK08 (5 Joule)

IK08 (5 Joule)

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**Toxic behaviour**

halogen-free  
 silicone-free

halogen-free  
 silicone-free

halogen-free  
 silicone-free

"Halogen-free" in accordance with IEC 754-2 "Common test methods for cables - Determination of the amount of halogen acid gas".

To material properties see technical data.