

496 Series

Position Switches and Transmitters

Flexibility in Monitoring Control Valve Stroke Position

Overview

The **Masoneilan™ 496 Series devices** are used for indicating positions in the stroke of a control valve on which they are mounted. The detection can be either on-off, in which the housing is fitted with micro-switches or proximity detectors, or continuous, in which the housing is fitted with an opto-electronic sensor. Both functions, on-off and continuous, can be combined.

These devices can be mounted on any rotary or linear valve using adapted mounting kits.

496 Series housing is made in aluminum or stainless steel materials.

These devices can be explosion-proof and intrinsic safety protection for gas and dust atmospheres, in accordance with many standards such as ATEX / IECEx / UKCA / NEC / CEC / CU TR / CCOE / KOSHA / NEPSI and other local certifications. These devices are also made with weatherproof protection (IP66/67 and NEMA 4X). 496 Series is also SIL3 (Capable) certified.

The absence of mechanical contact in the proximity detectors and the opto-electronic position transmitters produces:

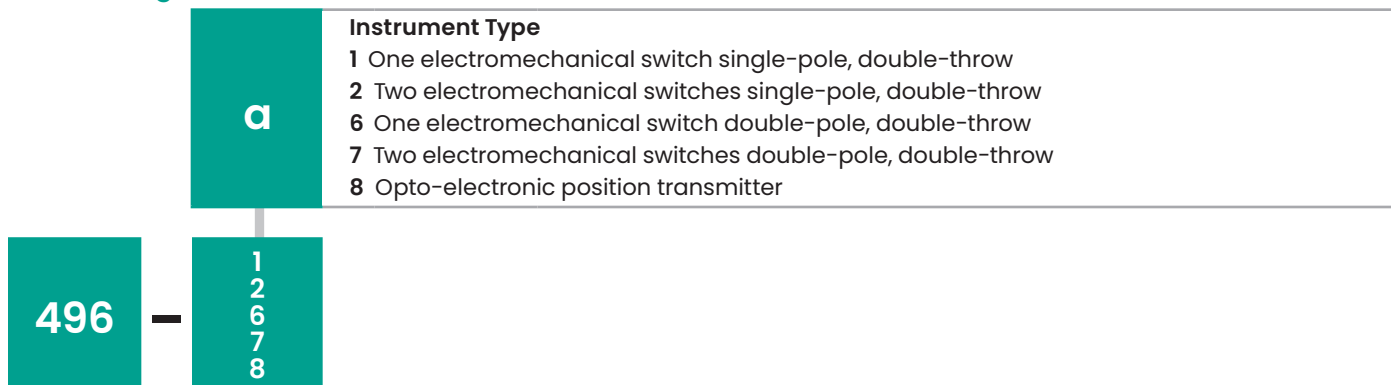
- Almost complete insensitivity to vibrations and electrical interference
- Very low operating friction
- Virtually infinite operating life



Numbering System

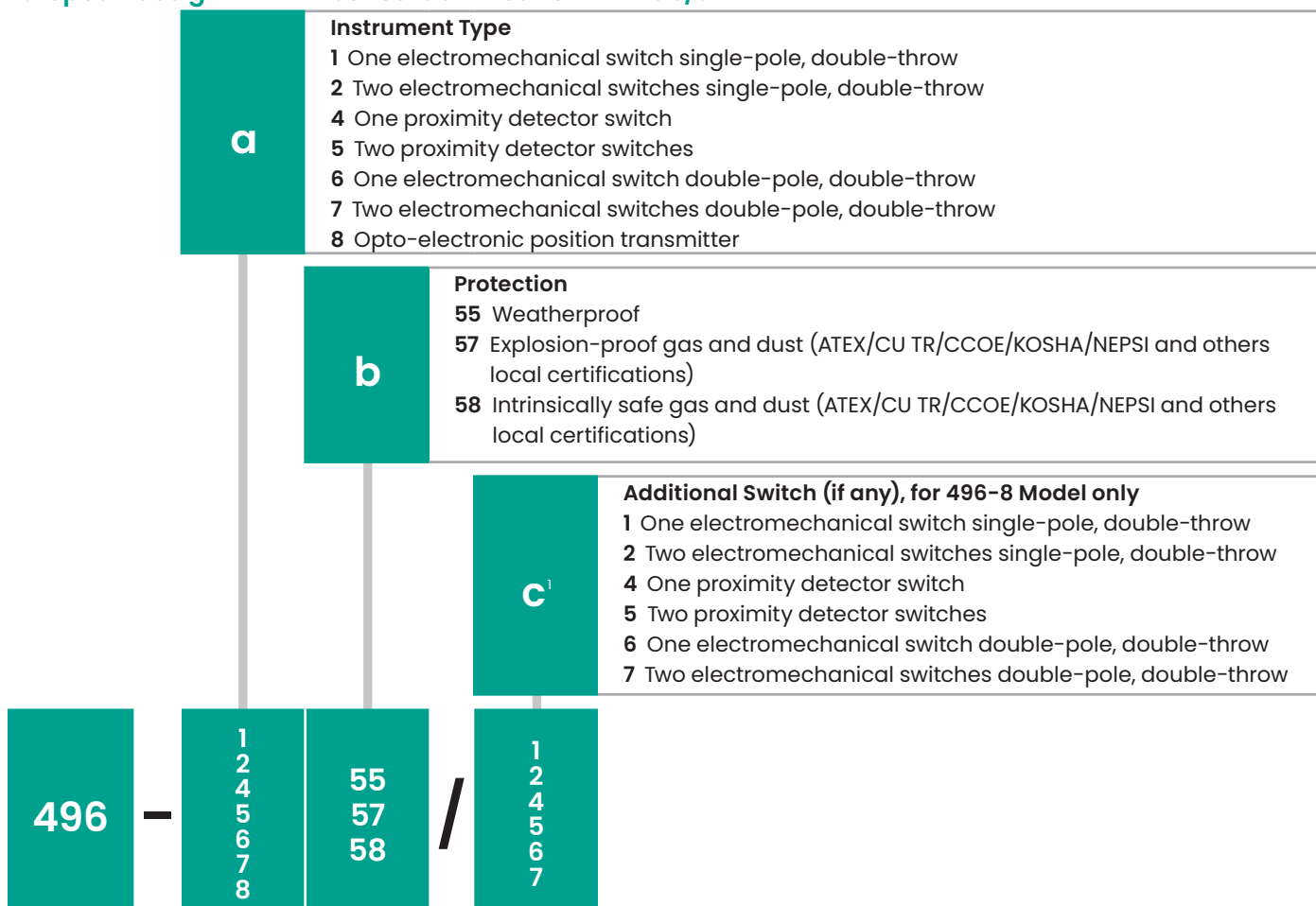
CA/US design

Series Identification 496-a



European design

Series Identification 496-ab/c



General note:

Among the numerous combinations mentioned above, some may not be available or have a level of protection conforming to all the standards. Consult Baker Hughes for confirmation.

1. This single digit, together with the slash before is only used in the case of transmitters provided with additional on-off indication.