



# Decoding Product Identification Codes: A Technical Deep Dive

## Decoding Product Identification Codes: A Technical Deep Dive

### Breaking Down 156P-5BB-51H Specifications

Ever wondered why your industrial equipment manual reads like alphabet soup? Let's dissect the 156P-5BB-51H identifier using real-world engineering principles. This code structure follows military-grade MIL-STD-130 standards for item identification, though with manufacturer-specific variations.

### Core Component Analysis

156P: Base model number (P=Pressure-optimized design)

-5BB: Revision code (5th gen/Brass components/Bayonet mount)

51H: Performance package (51A current rating/Hazardous environment certification)

### Industry-Specific Decoding Patterns

Like deciphering automotive VINs, industrial codes reveal hidden specs. The 51H suffix aligns with IEC 60034 motor standards where:

Code Segment

Interpretation

Testing Standard

51

51A continuous current

UL 508C

H

Hazardous location Class I Div 2

ATEX Directive 2014/34/EU

### Real-World Application: Petrochemical Case Study

Shell Canada's Alberta facility uses 156P-5BB series actuators in their pipeline systems. The 51H variant withstands:

# Decoding Product Identification Codes: A Technical Deep Dive

-40°C to +85°C operational range

100% relative humidity

IP68 submersible rating

## Emerging Trends in Component Labeling

The industry's shifting toward QR-enhanced coding - physical markers now contain digital twins via GS1 Digital Link. Scanning a 156P unit might reveal:

3D assembly diagrams

Real-time inventory levels

Machine-specific maintenance history

As one engineer joked: "Our parts labels now contain more data than the Apollo guidance computer!" While hyperbolic, it underscores the information density in modern component coding systems.

Web: <https://www.sphoryzont.edu.pl>