



EX Junction Box in Water Tower Pump

BACKGROUND

Applied raw water tower pump onboard Jack-up Rigs. The junction box must have big power and signal load and control, EX-rated for zone 2, min IP56, low cost, safety control. The connector would need to provide a return signal when they mate.

PROBLEM

The isolator switch must install in the EEx d junction box, but the size of standard EEx d junction very large and expensive.

AIO SOLUTION

Amphenol Industrial Star Line EX connectors special design were the solution, because it has power and signal carry capabilities. Adding a jump wire in plug can return the signal when the plug and receptacle mate. The use of EEx e stainless steel junction box and terminal block can reduce the size.