|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | TECHNICAL SPECIFICATIONPlant Requirement Specification | | | |
|  | | | | Electric Valve Actuator | 00 Document Reg. No. / Page No. | | |
| 01 Plant | System | | | In-Plant Identification |  | | |
| 02 Safety Class (SC) | Functional Class | | | Location |  | | |
| 03 Status | Prepared | Reviewed | Approved | 04 Revision | Prepared | Reviewed | Approved |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

#### Requirement Specification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 20 Type of actuator | | | | | |
| 21 Valve Specification reference | | |  | | |
| 22 Mech. connection to valve | | Valve spindle diameter        mm | | Maximum permitted torque for valve        Nm | |
| 23 Valve spindle, turns for full stroke | | Stroke        mm | | Mechanical position indicator | |
| 24 Required max/min/normal opening time        /       /       s | | Required max/min/normal closing time        /       /       s | |  | |
| 25 Required torque opening/closing  Start:       /       Nm | | Operation:       /       Nm | | Backseating:       /       Nm | |
| 26 Position switches  Open  Closed  Intermediate | | | Torque switches | | |
| 27 Stopped in open position by  Travel limit switch  Torque switch | | | Stopped in closed position by  Travel limit switch  Torque switch | | |
| 28 Continuous indication | | | Continuous indication interface | | |
| 29 Power supply - Motor | Aux. power supply - Switches | |  | |  |
| 30 Degree of protection - motor | Degree of protection – terminal box | |  | |  |
| 31 Remarks | | | | | |

Service Conditions

|  |  |  |
| --- | --- | --- |
| 51  **Normal operation** | 52  **Extreme operation** | 53  **Accident Conditions** |
|  |  |  |
| Additional | Additional | Accident Transients |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| 54 Remarks | | |

General Technical and Quality Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| 71 Technical and Quality Requirements  TBE 100:1 |  |  |  |
| 72 Environmental Specifications |  | Additional Environment severities |  |
| 73 Additional Requirements | | | |
| 74 Safety Class (SC) | Functional Class | General Inspection Plan | Final Inspection plan |
| 75 Remarks | | | |

Surface treatment, Painting system

|  |  |
| --- | --- |
| 91 Surface treatment | Painting system |

TBE93 / Blankett / tsr\_vaac.doc./ 2024-06-13