

| | |
|----------------|--|
| Project number | |
| Purchase order | |
| Requisition | |

DATASHEET

MECHANICAL PRESSURE SWITCH

| DATE | REV | BY | CHK | APP | SUBJECT OF REVISION |
|------|-----|----|-----|-----|---------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Doc. nr.:

| | | | | | | | | | | | | | |
|---------------------------|----------------------------------|-------------------------|------|---------|--------|--------|---------|--------|--------|---------|--------|--|--|
| TAG number | | | | | | | | | | | | | |
| Service | | | | | | | | | | | | | |
| GENERAL | | | | | | | | | | | | | |
| 1 | PID number | | | | | | | | | | | | |
| 2 | Line or equipment number | | | | | | | | | | | | |
| 3 | Hook-up drawing number | | | | | | | | | | | | |
| 4 | Location | | | | | | | | | | | | |
| 5 | Hazardous area classification | | | | | | | | | | | | |
| 6 | Minimum protection type | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| PROCESS CONDITIONS | | | | | | | | | | | | | |
| 8 | | Units | Min. | Operat. | Max. | Min. | Operat. | Max. | Min. | Operat. | Max. | | |
| 9 | Operating pressure | unit | | | | | | | | | | | |
| 10 | Design pressure | unit | | | | | | | | | | | |
| 11 | Operating temperature | unit | | | | | | | | | | | |
| 12 | Design temperature | unit | | | | | | | | | | | |
| 13 | Fluid name | | | | | | | | | | | | |
| 14 | Fluid state | | | | | | | | | | | | |
| 15 | Fluid contains solids | | | | | | | | | | | | |
| 16 | Abrasiveness | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | |
| AMBIENT CONDITIONS | | | | | | | | | | | | | |
| 18 | | Units | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | | | |
| 19 | Ambient temperature | unit | | | | | | | | | | | |
| 20 | Humidity range | unit | | | | | | | | | | | |
| 21 | Altitude | unit | | | | | | | | | | | |
| 22 | Corrosivity cat. (ISO 12944-2) | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | |
| SENSOR ELEMENT | | | | | | | | | | | | | |
| 24 | Element type | | | | | | | | | | | | |
| 25 | Type of pressure | | | | | | | | | | | | |
| 26 | Operating temperature | unit | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | | | |
| 27 | Max. working pressure | unit | | | | | | | | | | | |
| 28 | Burst pressure | unit | | | | | | | | | | | |
| 29 | Range | unit | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | | | |
| 30 | Repeatability | | | | | | | | | | | | |
| 31 | Dead band | Size | unit | | | | | | | | | | |
| 32 | Element material | | | | | | | | | | | | |
| 33 | Process/chem. seal connection | | | | | | | | | | | | |
| 34 | Process/chem. seal connect. mat. | | | | | | | | | | | | |
| 35 | Material certif. sensor element | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | |
| CHEMICAL SEAL | | | | | | | | | | | | | |
| 37 | L-press. side | Seal type | | | | | | | | | | | |
| 38 | | Seal mounting | | | | | | | | | | | |
| 39 | | Diaphragm exten. length | | | | | | | | | | | |
| 40 | | Seal wetted parts mat. | | | | | | | | | | | |
| 41 | H-press. side | Seal model number | | | | | | | | | | | |
| 42 | | Seal type | | | | | | | | | | | |
| 43 | | Seal mounting | | | | | | | | | | | |
| 44 | | Diaphragm exten. length | | | | | | | | | | | |
| 45 | Seal upper mat. | Seal wetted parts mat. | | | | | | | | | | | |
| 46 | | Seal model number | | | | | | | | | | | |
| 47 | | Flange mat. | | | | | | | | | | | |
| 48 | | Capillary length | unit | L-side | H-side | L-side | H-side | L-side | H-side | L-side | H-side | | |
| 49 | Capillary internal diameter | | | | | | | | | | | | |
| 50 | Capillary material | | | | | | | | | | | | |
| 51 | Capillary armor material | | | | | | | | | | | | |
| 52 | Capillary fill fluid | | | | | | | | | | | | |
| 53 | Process connection | | | | | | | | | | | | |
| 54 | Material certif. chemical seal | | | | | | | | | | | | |

| | | | |
|-------------------|--|--|--|
| TAG number | | | |
|-------------------|--|--|--|

| | | | |
|----------------|--|--|--|
| Service | | | |
|----------------|--|--|--|

| | | | |
|---------------|--|--|--|
| SWITCH | | | |
|---------------|--|--|--|

| | | | | | |
|---|-----------------------------|------|-----------|-----------|-----------|
| 1 | Number of switches | | | | |
| 2 | Switch contact | | | | |
| 3 | Contact version | | | | |
| 4 | Rating (resistive load) | | | | |
| 5 | Terminals maximum wire size | | | | |
| 6 | Setpoint switch 1 | unit | Direction | Direction | Direction |
| 7 | Setpoint switch 2 | unit | Direction | Direction | Direction |
| 8 | | | | | |

| | | | |
|--------------------|--|--|--|
| ACCESSORIES | | | |
|--------------------|--|--|--|

| | | | | | |
|----|--------------------------------|---------------|--|--|--|
| 9 | Manifold type | Manifold mat. | | | |
| 10 | Manifold instrument connection | | | | |
| 11 | Manifold process connection | | | | |
| 12 | Approvals / Options | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |

| | | | |
|------------------|--|--|--|
| ENCLOSURE | | | |
|------------------|--|--|--|

| | | | | |
|----|----------------------------------|--|--|--|
| 16 | Enclosure material | | | |
| 17 | Ingress protection | | | |
| 18 | Hazardous area class. + protect. | | | |
| 19 | Cable gland entry | | | |
| 20 | Mounting | | | |
| 21 | | | | |

| | | | |
|-----------------------------|--|--|--|
| SUPPLIER'S REFERENCE | | | |
|-----------------------------|--|--|--|

| | | | | |
|----|-----------------------|--|--|--|
| 22 | Pressure switch model | | | |
| 23 | | | | |
| 24 | | | | |

| | | | |
|--------------|--|--|--|
| NOTES | | | |
|--------------|--|--|--|

| | | | | |
|----|--|--|--|--|
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |
| 29 | | | | |
| 30 | | | | |
| 31 | | | | |
| 32 | | | | |
| 33 | | | | |
| 34 | | | | |
| 35 | | | | |
| 36 | | | | |
| 37 | | | | |
| 38 | | | | |

| | |
|--|-------------------------|
| REFERENCE DOCUMENTS/APPLICABLE SPECIFICATIONS | RELIABILITY DATA |
|--|-------------------------|

| | | | | | |
|----|--------|-----|-------|---------------------------------|--|
| 39 | Number | Rev | Title | Fail safe detected (FIT) | |
| 40 | | | | Fail safe undetected (FIT) | |
| 41 | | | | Fail dangerous detected (FIT) | |
| 42 | | | | Fail dangerous undetected (FIT) | |
| 43 | | | | Safe failure fraction (SFF) (%) | |
| 44 | | | | | |

| | |
|--|-----------------------------|
| | SUPPLIER INFORMATION |
|--|-----------------------------|

| | | | | |
|----|--|--------------|--|--|
| 46 | | Vendor | | |
| 47 | | Manufacturer | | |
| 48 | | Vendor stamp | | |
| 49 | | | | |
| 50 | | | | |
| 51 | | | | |
| 52 | | | | |
| 53 | | | | |

Doc. nr.: