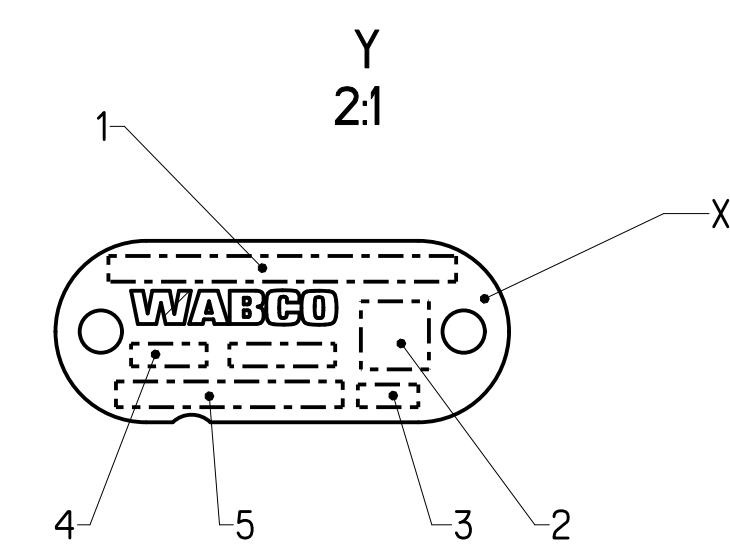
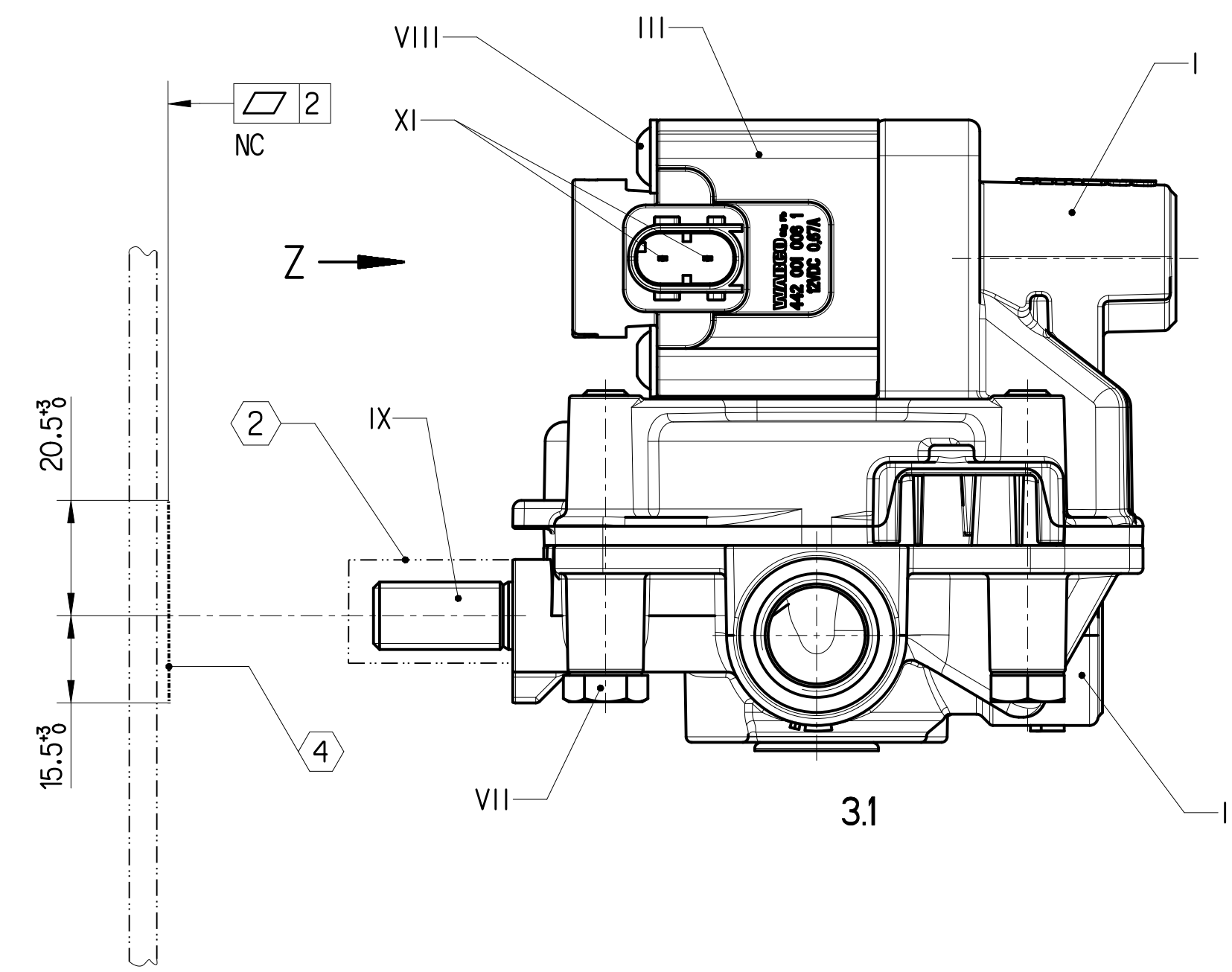
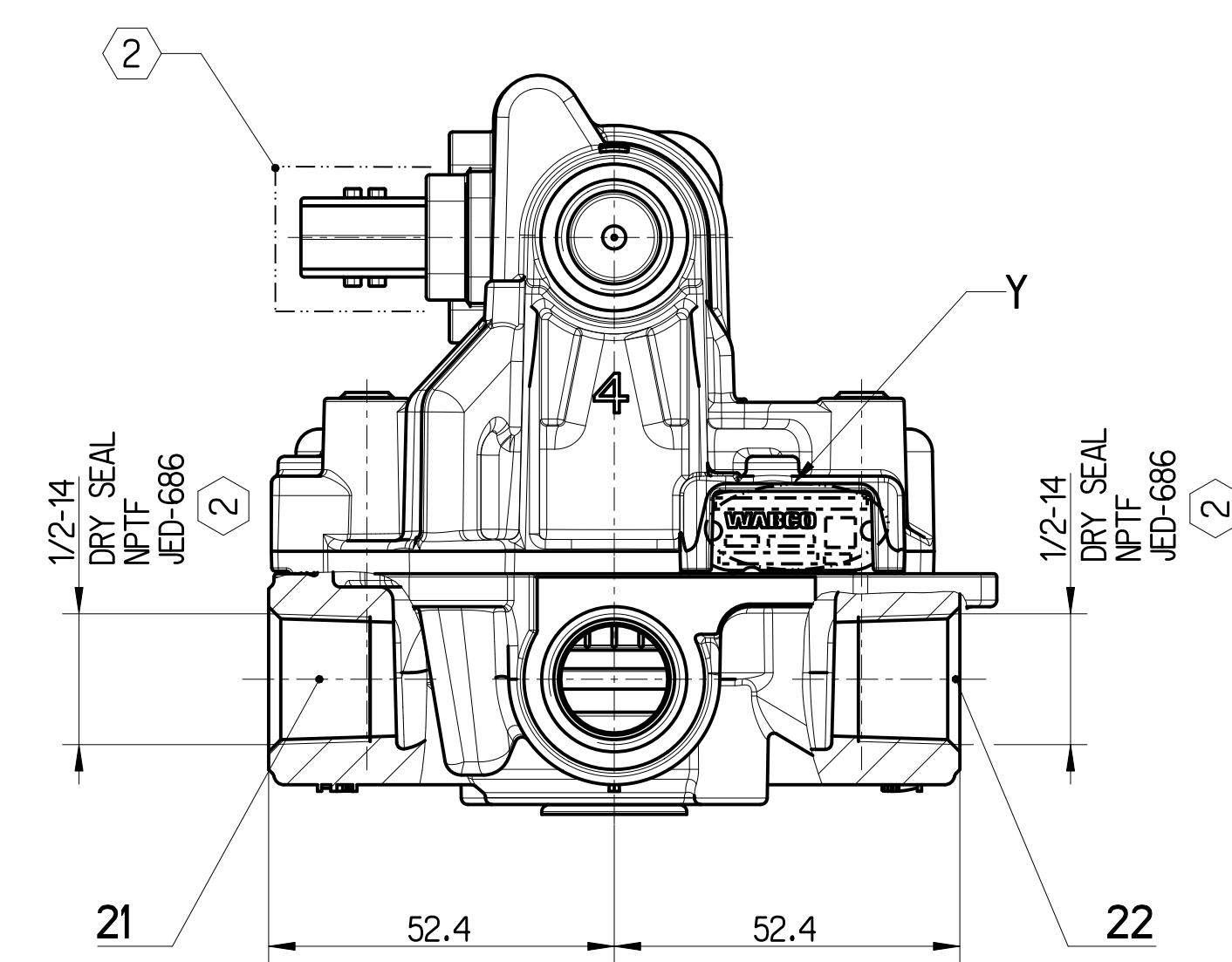
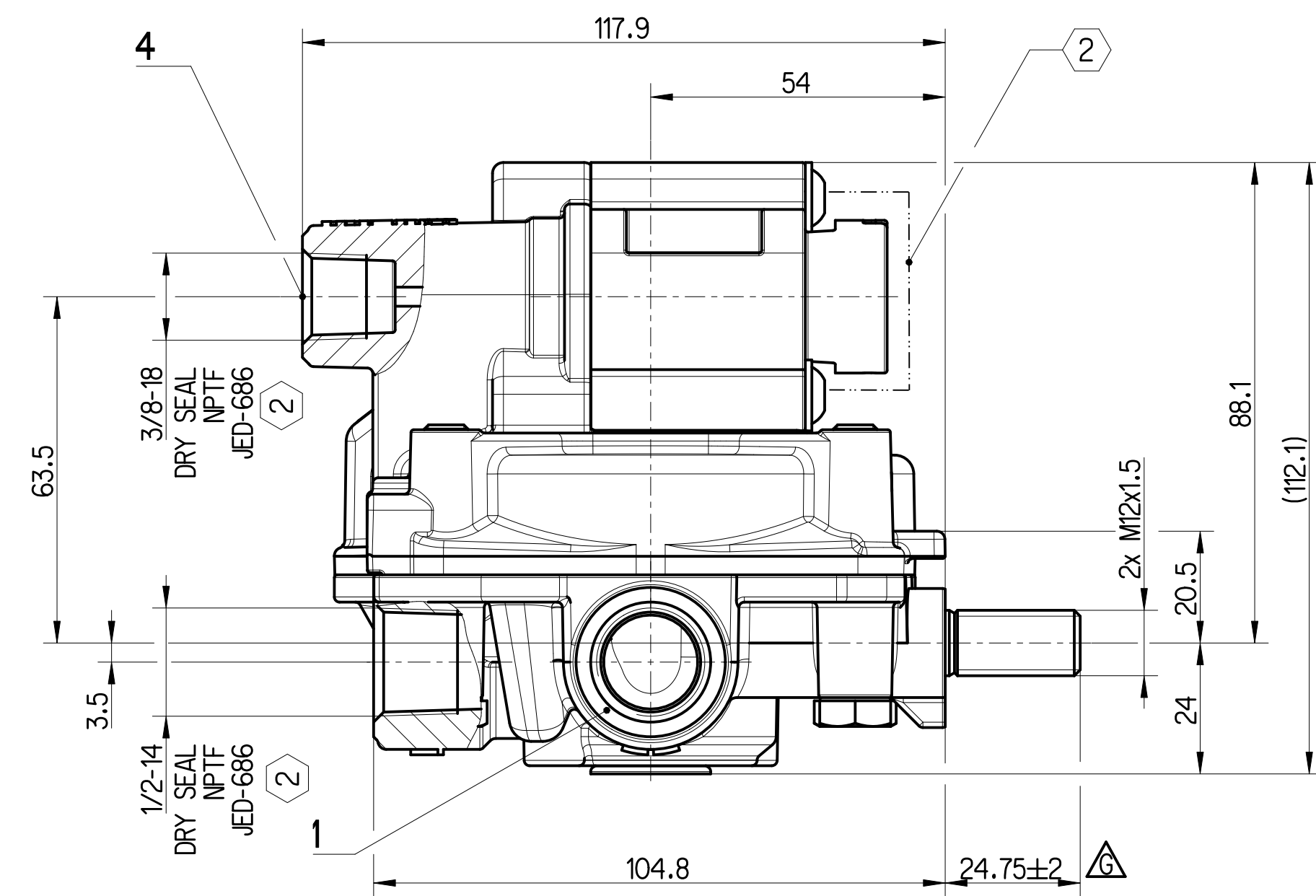




|                                       |                                |
|---------------------------------------|--------------------------------|
| (1) CUSTOMER NO. OR COUNTRY OF ORIGIN | (4) WEEK / YEAR OF MANUFACTURE |
| (2) DATA MATRIX CODE                  | (5) WABCO-DEVICE NUMBER        |
| (3) MANUFACTURING PLANT JED-225       |                                |

| Part   | Designation                | Thread                | TORQUE    |
|--------|----------------------------|-----------------------|-----------|
| 1      | Supply Port                | 1/2-14 NPTF / JED-686 | MAX. 70Nm |
| 21, 22 | Delivery Ports             | 1/2-14 NPTF / JED-686 | MAX. 70Nm |
| 4      | Control Port               | 3/8-18 NPTF / JED-686 | MAX. 50Nm |
| 3.1    | Exhaust Relay Valve        | -                     | -         |
| 3.2    | Exhaust 3/2 Solenoid Valve | -                     | -         |

|                                       | Electrical Port | Function |
|---------------------------------------|-----------------|----------|
| 3/2 SOLENOID VALVE<br>CONNECTOR<br>X1 | X1.1            | Ground   |
|                                       | X1.3            | Inlet    |

|      | Material    |             | Surface Protection |           |
|------|-------------|-------------|--------------------|-----------|
| I    | Al          | JED-029-M1  | Passivation        | JED-259-1 |
| II   | Al          | JED-029-M1  | Passivation        | JED-259-1 |
| III  | PA6.6 GF 35 | JED-359-1   | -                  | -         |
| IV   | St          | JED-02M3    | ZnFe               | JED-256-1 |
| V    | NBR         | JED-235     |                    |           |
| VI   | St          | -           | ZnFe               | JED-257-0 |
| VII  | St          | JED-05M4    | ZnFe               | JED-256-1 |
| VIII | St          | JED-05M4    | ZnNi               | JED-739-3 |
| IX   | St          | JED-05M4    | ZnNi               | JED-739-3 |
| X    | Al          | JED-077-1   | Anodic Oxidation   | JED-007-1 |
| XI   | CuZn / Sn   | JED-570-E16 | galv. Cu / Sn      | -         |
| XII  | PA 6.6      | JED-354-1   | -                  | -         |
| XIII | PA 6.6 GF25 | JED-483-3   | -                  | -         |

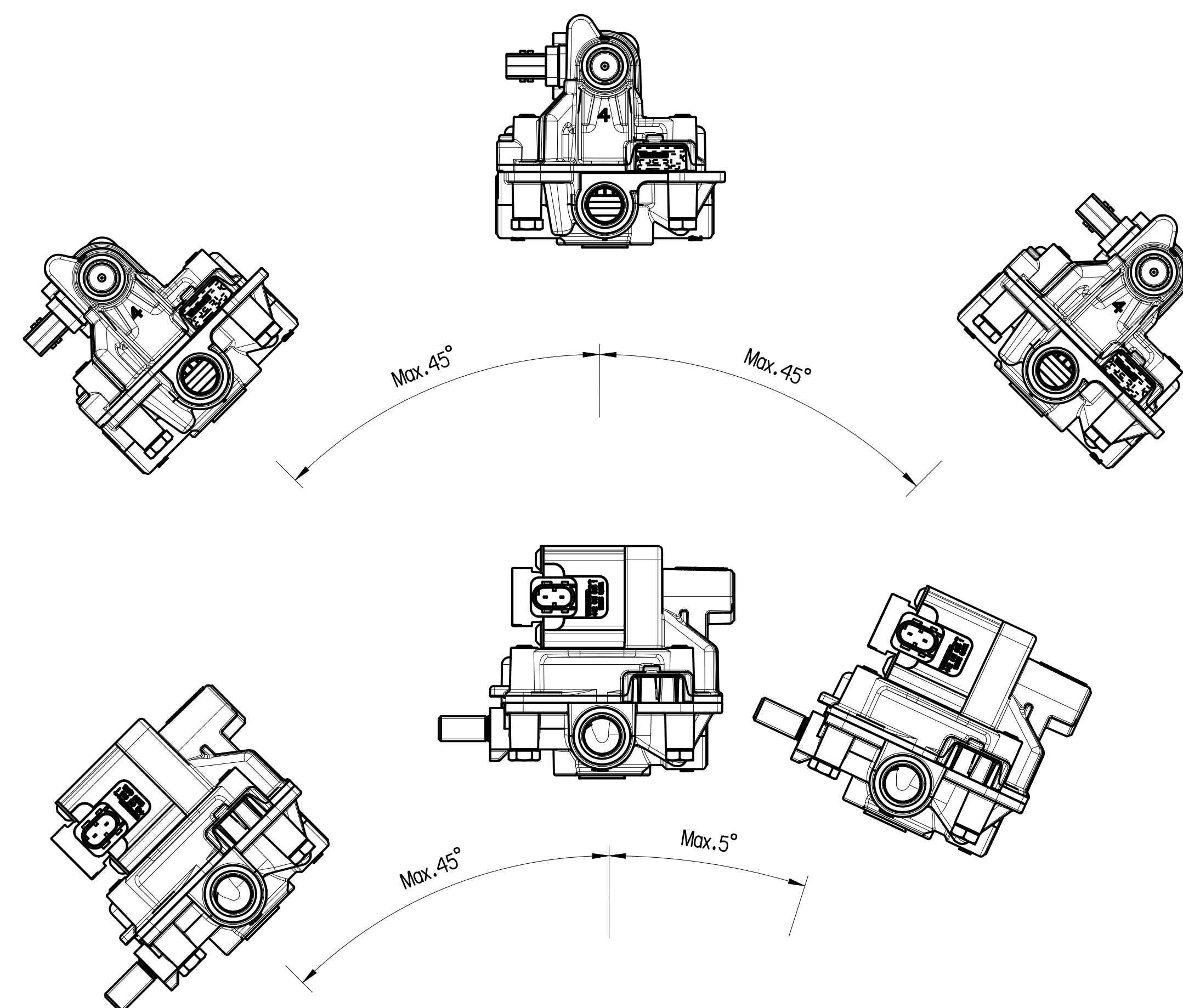
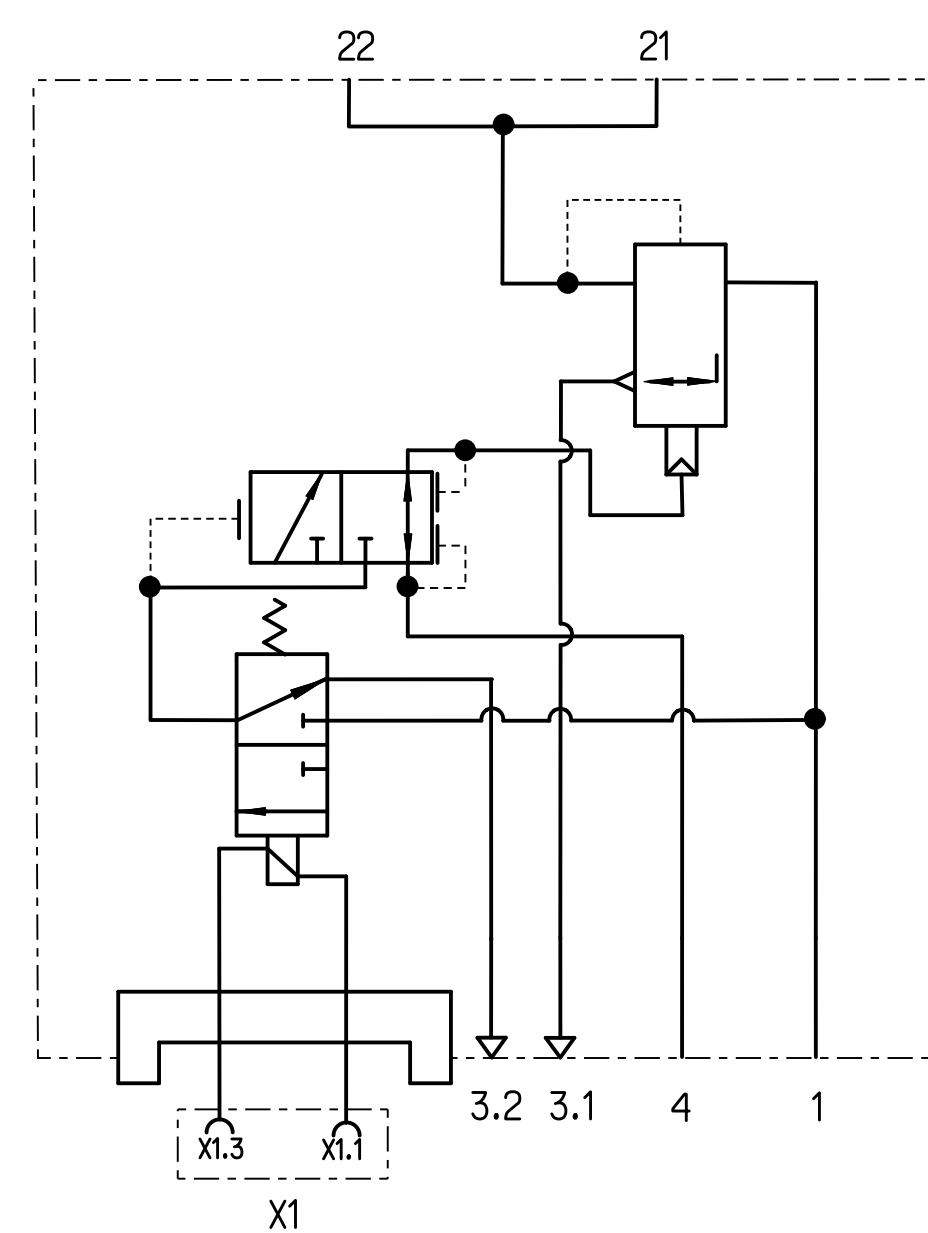
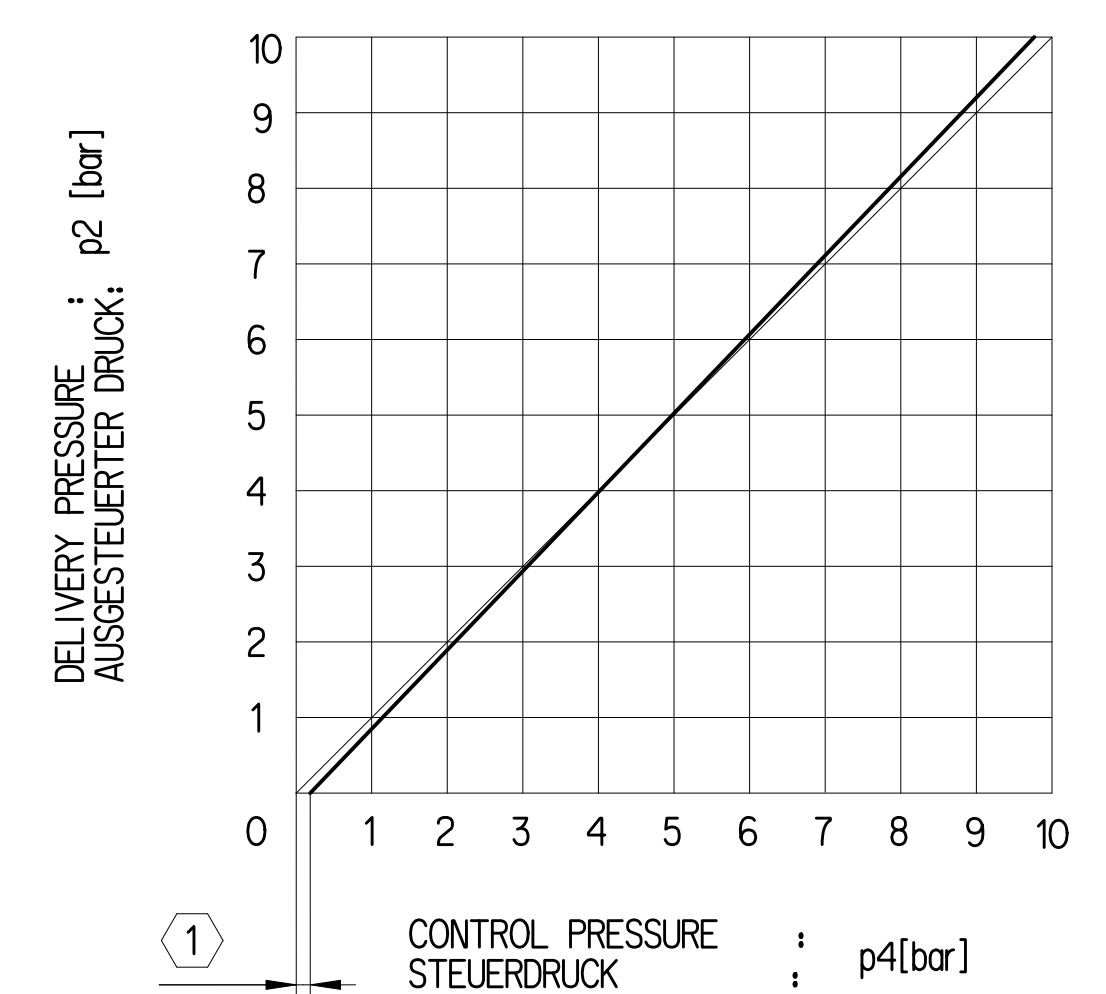
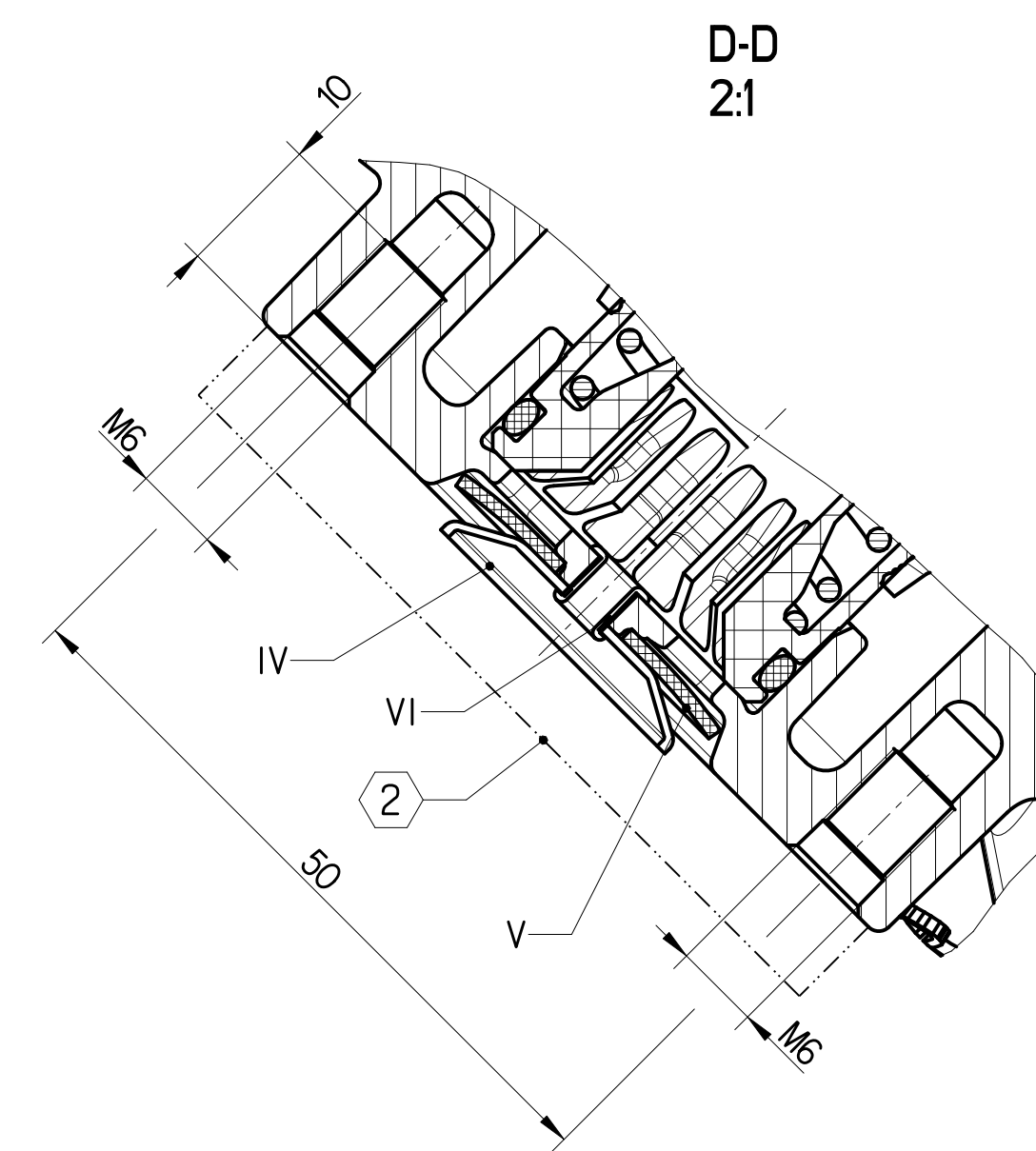
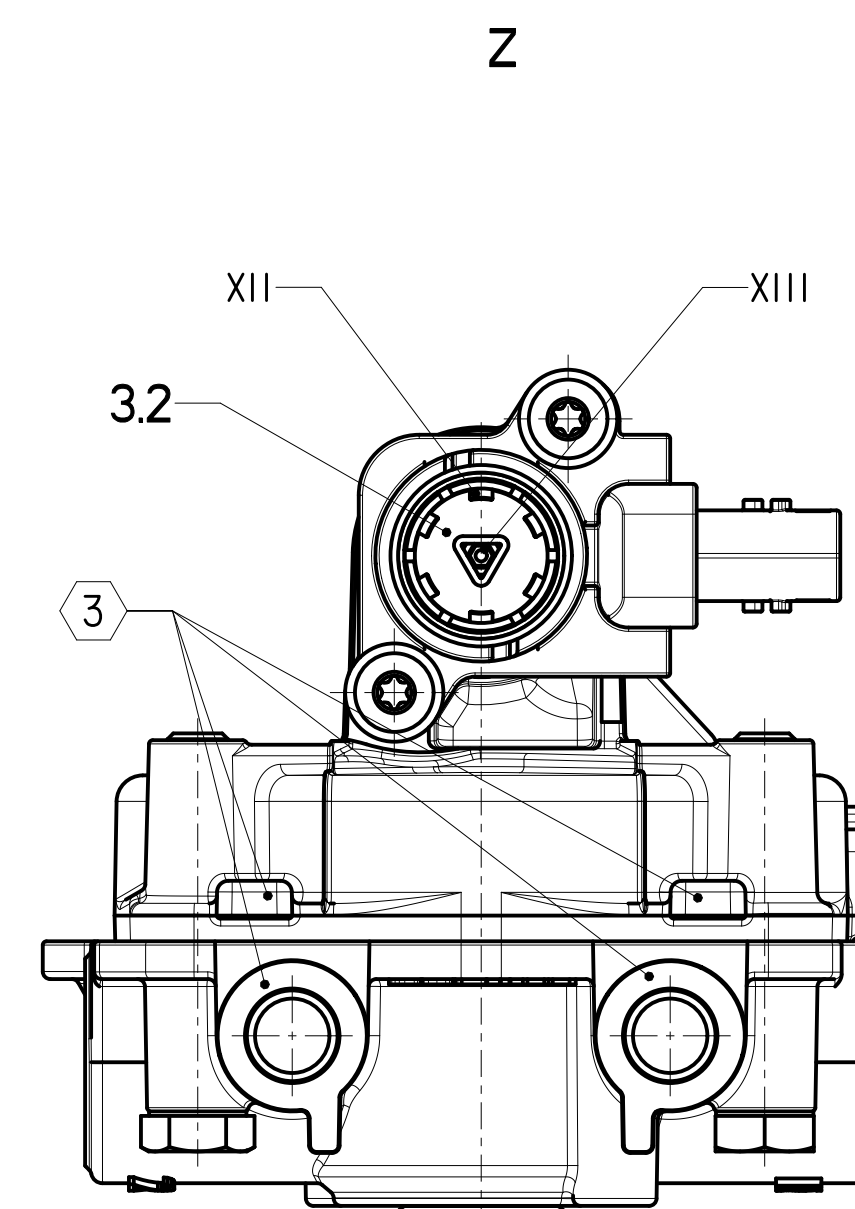
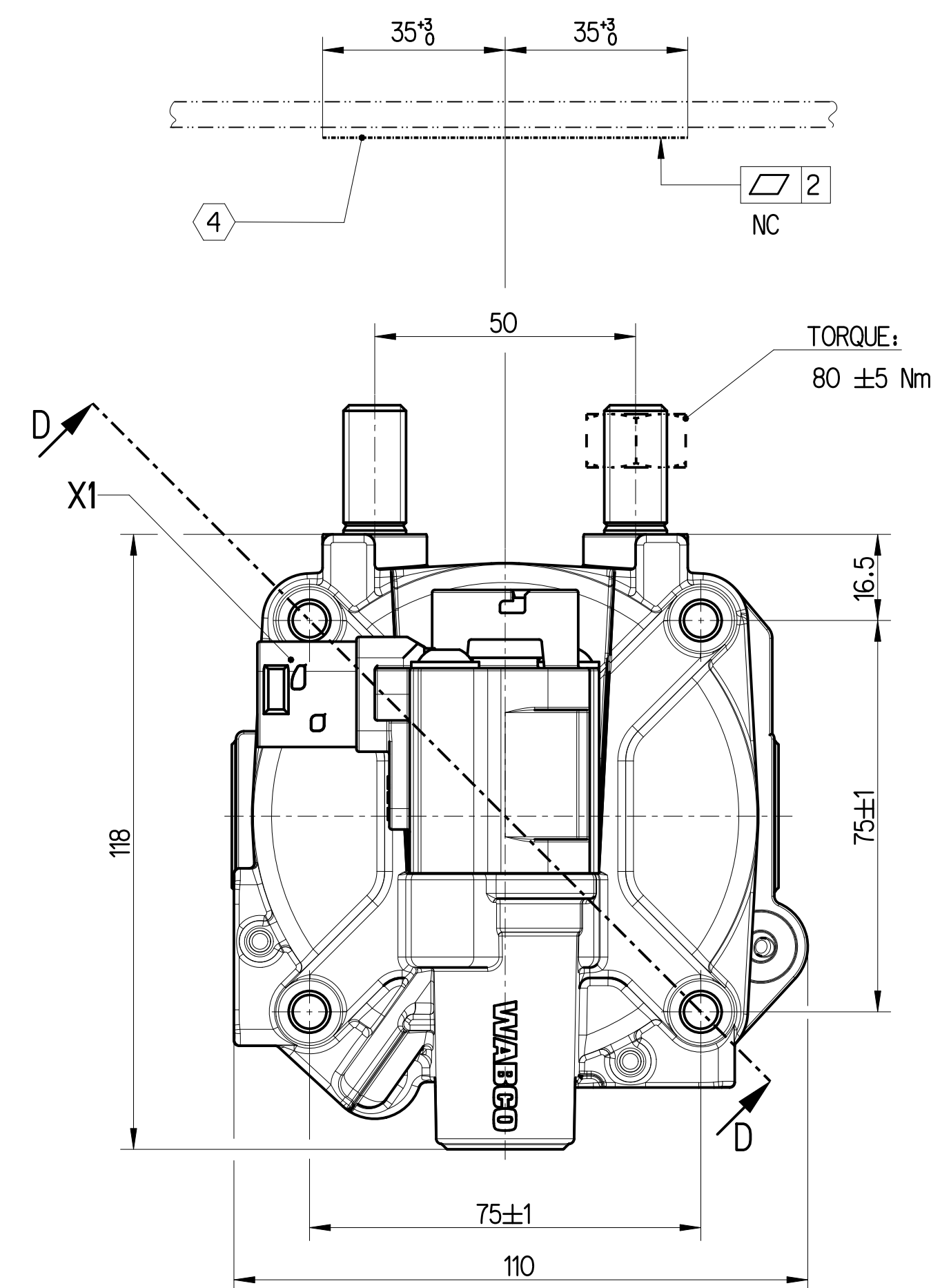
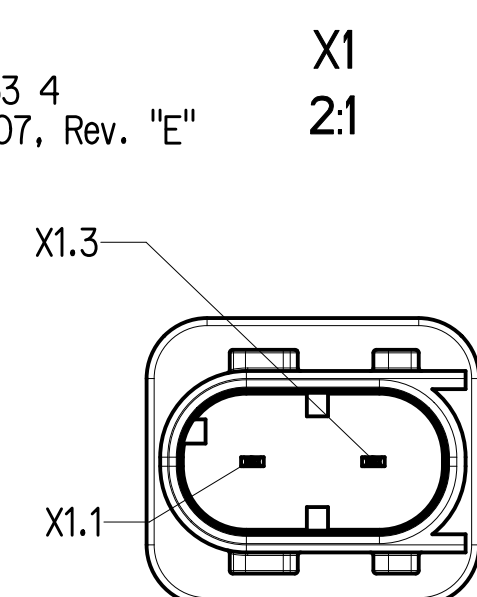
### 3/2 SOLENOID VALVE CONNECTOR

CONNECTOR ACCORDING TO INTERFACE DRAWING: 858 000 853 4  
DOC-Code 007, Rev. "E"

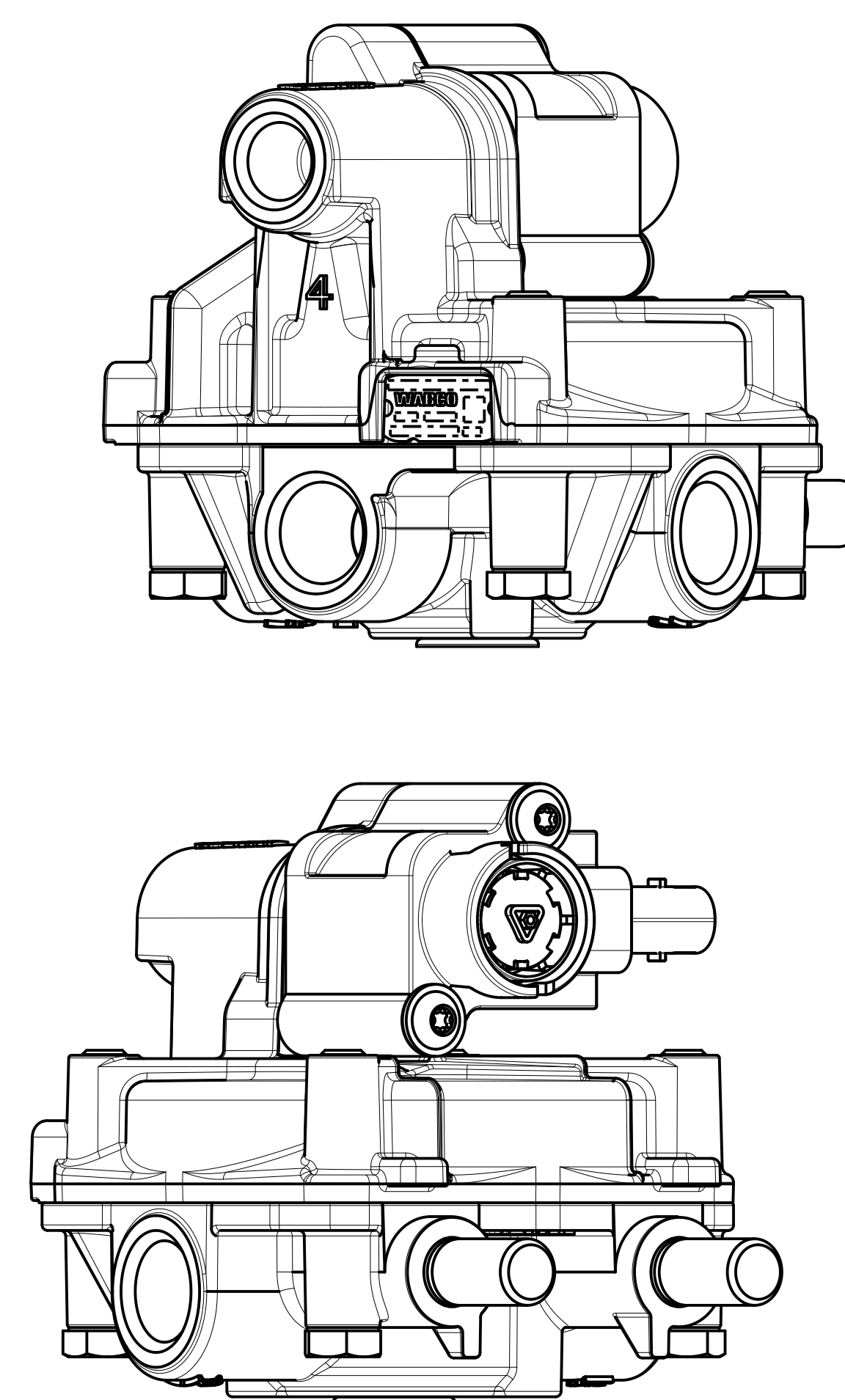
TYCO-INTERFACE DRAWING: C-114-18743-1  
Rev. "D1"

CODING: TYCO HDSCS 2x1.5 CODING A

MATING CONNECTOR: 1-1418448-2



PERMISSIBLE INSTALLATION POSITION



|                                            |                                             |
|--------------------------------------------|---------------------------------------------|
| 976 200 100 0                              | 3 psi (0.2 bar)                             |
| 976 200 101 0                              | 6 psi (0.4 bar)                             |
| WABCO DEVICE NUMBER<br>WABCO GERÄTE NUMMER | NOMINAL CRACK PRESSURE<br>NENNANSPRECHDRUCK |

|                                                          |  |                  |  |               |  |
|----------------------------------------------------------|--|------------------|--|---------------|--|
| General Specifications: ISO 9001, ISO 9002, ISO 14000 LP |  | Copyright © 2001 |  | Signature     |  |
| Further Technical Data: 976-200 110 D                    |  | Date             |  | Date          |  |
| Doc. Code: OSS                                           |  | 2020-03-20       |  | 2020-03-20    |  |
| Doc. Title: 976-200 110 D                                |  | Title            |  | File          |  |
| Doc. No.: 976-200 110 D                                  |  | 2020-03-24       |  | 2020-03-24    |  |
| Doc. Rev.: 01                                            |  | Rev.             |  | Rev.          |  |
| Doc. Status: In Production                               |  | Status           |  | Status        |  |
| Doc. Version: 1.0                                        |  | Version          |  | Version       |  |
| Doc. Description: 976-200 110 D                          |  | Description      |  | Description   |  |
| Doc. Drawing: 976-200 110 D                              |  | Drawing          |  | Drawing       |  |
| Doc. Material: 976-200 110 D                             |  | Material         |  | Material      |  |
| Doc. Assembly: 976-200 110 D                             |  | Assembly         |  | Assembly      |  |
| Doc. Testing: 976-200 110 D                              |  | Testing          |  | Testing       |  |
| Doc. Packaging: 976-200 110 D                            |  | Packaging        |  | Packaging     |  |
| Doc. Shipping: 976-200 110 D                             |  | Shipping         |  | Shipping      |  |
| Doc. Storage: 976-200 110 D                              |  | Storage          |  | Storage       |  |
| Doc. Disposal: 976-200 110 D                             |  | Disposal         |  | Disposal      |  |
| Doc. Revision: 01                                        |  | Revision         |  | Revision      |  |
| Doc. Change: 01                                          |  | Change           |  | Change        |  |
| Doc. Approval: 01                                        |  | Approval         |  | Approval      |  |
| Doc. Release: 01                                         |  | Release          |  | Release       |  |
| Doc. Distribution: 01                                    |  | Distribution     |  | Distribution  |  |
| Doc. Control: 01                                         |  | Control          |  | Control       |  |
| Doc. Audit: 01                                           |  | Audit            |  | Audit         |  |
| Doc. Feedback: 01                                        |  | Feedback         |  | Feedback      |  |
| Doc. Improvement: 01                                     |  | Improvement      |  | Improvement   |  |
| Doc. Innovation: 01                                      |  | Innovation       |  | Innovation    |  |
| Doc. Creativity: 01                                      |  | Creativity       |  | Creativity    |  |
| Doc. Leadership: 01                                      |  | Leadership       |  | Leadership    |  |
| Doc. Teamwork: 01                                        |  | Teamwork         |  | Teamwork      |  |
| Doc. Communication: 01                                   |  | Communication    |  | Communication |  |
| Doc. Collaboration: 01                                   |  | Collaboration    |  | Collaboration |  |
| Doc. Partnership: 01                                     |  | Partnership      |  | Partnership   |  |
| Doc. Alliance: 01                                        |  | Alliance         |  | Alliance      |  |
| Doc. Network: 01                                         |  | Network          |  | Network       |  |
| Doc. Community: 01                                       |  | Community        |  | Community     |  |
| Doc. Society: 01                                         |  | Society          |  | Society       |  |
| Doc. World: 01                                           |  | World            |  | World         |  |
| Doc. Universe: 01                                        |  | Universe         |  | Universe      |  |
| Doc. Cosmos: 01                                          |  | Cosmos           |  | Cosmos        |  |
| Doc. Galaxy: 01                                          |  | Galaxy           |  | Galaxy        |  |
| Doc. Planet: 01                                          |  | Planet           |  | Planet        |  |
| Doc. Moon: 01                                            |  | Moon             |  | Moon          |  |
| Doc. Star: 01                                            |  | Star             |  | Star          |  |
| Doc. Sun: 01                                             |  | Sun              |  | Sun           |  |
| Doc. Earth: 01                                           |  | Earth            |  | Earth         |  |
| Doc. Ocean: 01                                           |  | Ocean            |  | Ocean         |  |
| Doc. Land: 01                                            |  | Land             |  | Land          |  |
| Doc. Air: 01                                             |  | Air              |  | Air           |  |
| Doc. Fire: 01                                            |  | Fire             |  | Fire          |  |
| Doc. Water: 01                                           |  | Water            |  | Water         |  |
| Doc. Wind: 01                                            |  | Wind             |  | Wind          |  |
| Doc. Cloud: 01                                           |  | Cloud            |  | Cloud         |  |
| Doc. Rain: 01                                            |  | Rain             |  | Rain          |  |
| Doc. Snow: 01                                            |  | Snow             |  | Snow          |  |
| Doc. Ice: 01                                             |  | Ice              |  | Ice           |  |
| Doc. Frost: 01                                           |  | Frost            |  | Frost         |  |
| Doc. Hail: 01                                            |  | Hail             |  | Hail          |  |
| Doc. Thunder: 01                                         |  | Thunder          |  | Thunder       |  |
| Doc. Lightning: 01                                       |  | Lightning        |  | Lightning     |  |
| Doc. Storm: 01                                           |  | Storm            |  | Storm         |  |
| Doc. Tornado: 01                                         |  | Tornado          |  | Tornado       |  |
| Doc. Hurricane: 01                                       |  | Hurricane        |  | Hurricane     |  |
| Doc. Cyclone: 01                                         |  | Cyclone          |  | Cyclone       |  |
| Doc. Monsoon: 01                                         |  | Monsoon          |  | Monsoon       |  |
| Doc. Breeze: 01                                          |  | Breeze           |  | Breeze        |  |
| Doc. Gale: 01                                            |  | Gale             |  | Gale          |  |

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WORKING MEDIUM : COMPRESSED AIR (WATER, OIL AND ALCOHOL CONTAINING, SEE PRODUCT SPECIFICATION 976 200 110 0, DOC. CODE 035)

AMBIENT ENVIRONMENT : AIR (CONTAINING WATER, SALT, DUST AND OIL)

THERMAL RANGE OF APPLICATION : -40 °C ... +80 °C (-40 °F ... +176 °F)

SHORT TERM RESISTANCE TO HEAT (UNPRESSURIZED, CURRENTLESS, WITHOUT FUNCTION) : MAX. 1h AT 110 °C (230 °F) OR MAX. 2h AT 95 °C (203 °F)

NOMINAL WORKING PRESSURE (SUPPLY PRESSURE) :  $p_e$  = 8 - 11 bar (max. 11 bar)

MAX. PERMISSIBLE WORKING PRESSURE (SUPPLY PRESSURE) :  $p_e$  = 15 bar : TEMPORARY WITHOUT FUNCTION (UNPRESSURISED, WITHOUT CURRENT, WITHOUT FUNCTION)

NOMINAL WORKING PRESSURE (CONTROL PRESSURE) : max. 10 bar

MAX. LEAKAGE: DURING PRESSURE MAINTENANCE OR WHILE NOT OPERATED, NEW DEVICE :  $\geq$  -20 °C ...+80 °C (-4 °F...+176 °F) : 10 cm<sup>3</sup>/min. (DIN1343)  
: -40 °C ...-20 °C (-40 °F...-4 °F) : 1500 cm<sup>3</sup>/min.

PROTECTION CLASS ACC. TO : ISO 20653

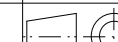
TYPE OF PROTECTION : COMPLETE DEVICE WITH MOUNTED COUPLING : IP 6K6K , IP 6K9K  
: ELECTRIC TERMINALS WITHOUT MOUNTED COUPLING : IP 6K7

TENSION FREE MOUNTING OF THE LINES

HANDLING, STORAGE, PACKAGING, PRESERVATION AND DELIVERY : 976 200 110 0 (DOC 035)

FOR FURTHER TECHNICAL DATA SEE PRODUCT SPECIFICATION 976 200 110 0, DOC. CODE 035

|                 |                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | 3/2 SOLENOID VALVE CONNECTOR                                                                                                                          |
| NOMINAL VOLTAGE | 12 V                                                                                                                                                  |
| NOMINAL CURRENT | 0.7 A AT +20°C (+68°F)                                                                                                                                |
| DUTY CYCLES     | 100% AT 10.5V...16V / -40°C (-40°F)...+80°C (+176°F)<br>30% AT 9V / +60°C (+140°F) ... 80°C (+176°F)<br>80% AT 16V / +60°C (+140°F) ... 80°C (+176°F) |

|                                                               |  |       |  |       |           |       |  |       |  |                  |  |            |  |                                                                                                                                                      |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
|---------------------------------------------------------------|--|-------|--|-------|-----------|-------|--|-------|--|------------------|--|------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|--|----------|--|--------------|--|-----------------|--|---------------------------------|--|----------|--|-------|--|
| General Specification: ISO 8015, JED-334-1, Size ISO 14405 LP |  |       |  |       |           |       |  |       |  | Copyright ZF®    |  |            |  | <div></div> <div>RELAY VALVE PACKAGE + 3/2 SOLENOID VALVE</div> |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
| Further Technical Data: 976 200 110 0                         |  |       |  |       |           |       |  |       |  | Date             |  | Signature  |  |                                                                                                                                                      |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
| Doc. Code: 035                                                |  |       |  |       | Sheet: To |       |  |       |  | Drawn            |  |            |  |                                                                                                                                                      |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
|                                                               |  |       |  |       |           |       |  |       |  | 2026-03-20       |  | Fila       |  |                                                                                                                                                      |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
| General Tolerances JED-261                                    |  |       |  |       |           |       |  |       |  | Checked          |  |            |  | 2026-03-24                                                                                                                                           |  |               |  | Toma     |  |              |  |                 |  |                                 |  |          |  |       |  |
| Range of nominal dimensions in mm                             |  |       |  |       |           |       |  |       |  | Dimensions in mm |  |            |  |                                                                                                                                                      |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
| Class 1)                                                      |  |       |  |       |           |       |  |       |  | ± 50             |  |            |  |                                                                                                                                                      |  |               |  | ± 180    |  |              |  | ± 400           |  |                                 |  | ± 3°     |  |       |  |
| Fine                                                          |  | ± 0.5 |  | ± 1   |           | ± 1.5 |  | ± 2   |  | 1.100 kg         |  | Scale      |  | Material No.                                                                                                                                         |  |               |  |          |  |              |  |                 |  | Date of first issue: 2015-02-19 |  |          |  |       |  |
| Medium                                                        |  | X ± 1 |  | ± 2   |           | ± 3   |  | ± 4   |  | Size             |  | CAD System |  | 976 200 110 0                                                                                                                                        |  |               |  |          |  |              |  |                 |  | Doc.Code                        |  | Language |  | Sheet |  |
| Coarse                                                        |  | ± 2   |  | ± 3.5 |           | ± 5   |  | ± 6.5 |  | A 2              |  | CREO       |  |                                                                 |  | ECN-No.       |  | Revision |  | Techn. Resp. |  | Replacement for |  |                                 |  |          |  |       |  |
| Tapped Holes acc. JED-686                                     |  |       |  |       |           |       |  |       |  | 521352           |  | 0x/ 3 G    |  | 6335                                                                                                                                                 |  | 884 017 439 0 |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |
| 1) Tolerance Class Applied Crossmarked                        |  |       |  |       |           |       |  |       |  |                  |  |            |  |                                                                                                                                                      |  |               |  |          |  |              |  |                 |  |                                 |  |          |  |       |  |