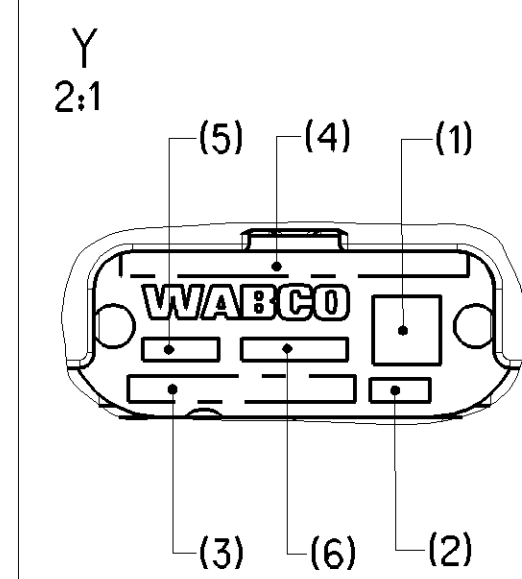
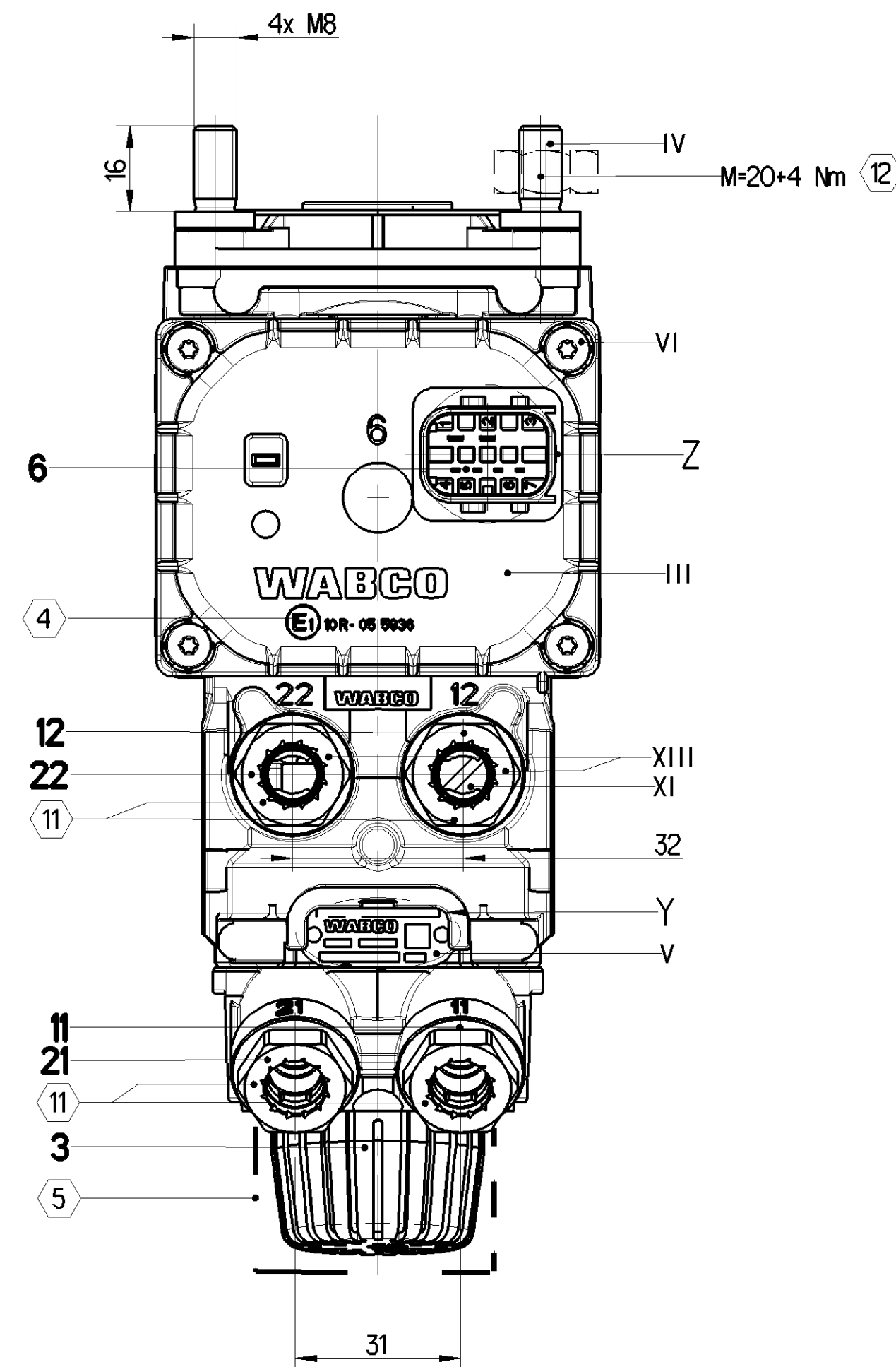
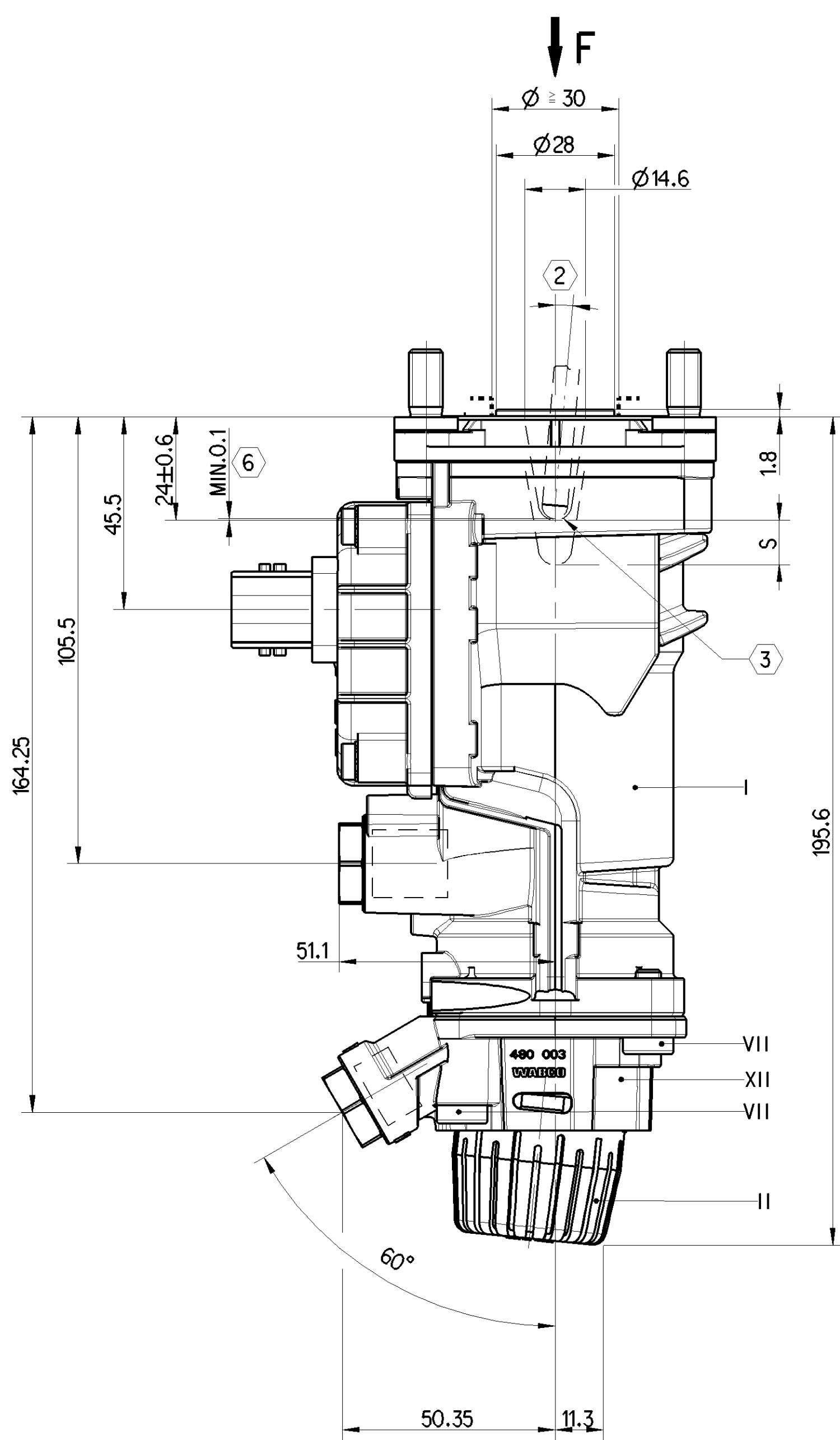
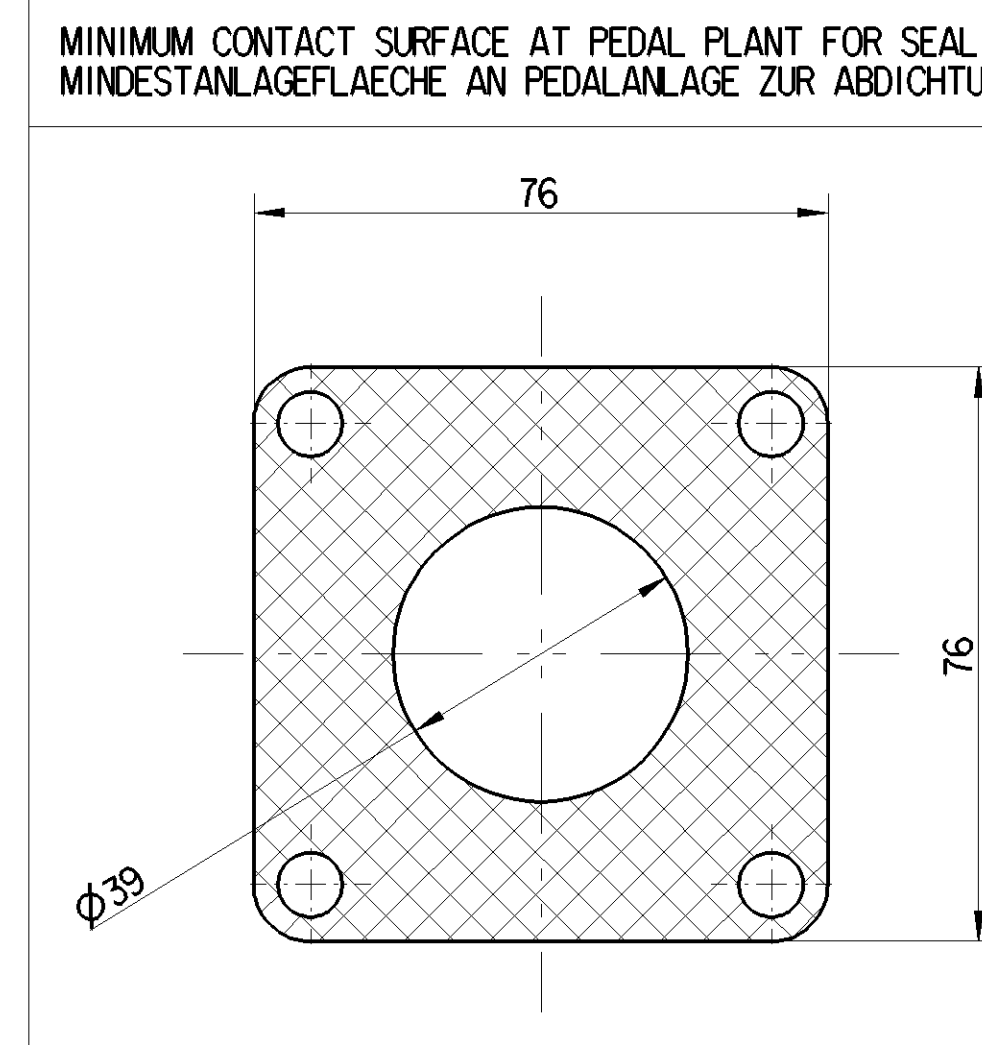


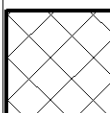


|     |                                                              |         |
|-----|--------------------------------------------------------------|---------|
| (1) | DATA MATRIX CODE                                             |         |
| (2) | MANUFACTURING PLANT<br>PRODUKTIONSSTAETTE                    | JED-225 |
| (3) | WABCO-DEVICE NUMBER<br>WABCO-GERAETE NUMBER                  |         |
| (4) | CUSTOMER NO. / REVISION CODE<br>KUNDEN-NR. / AENDERUNGSINDEX |         |
| (5) | WEEK / YEAR OF MANUFACTURE<br>FERTIGUNGSWOCHE / -JAHR        |         |
| (6) | RUNNING NUMBER<br>LAUFENDE NUMBER                            |         |

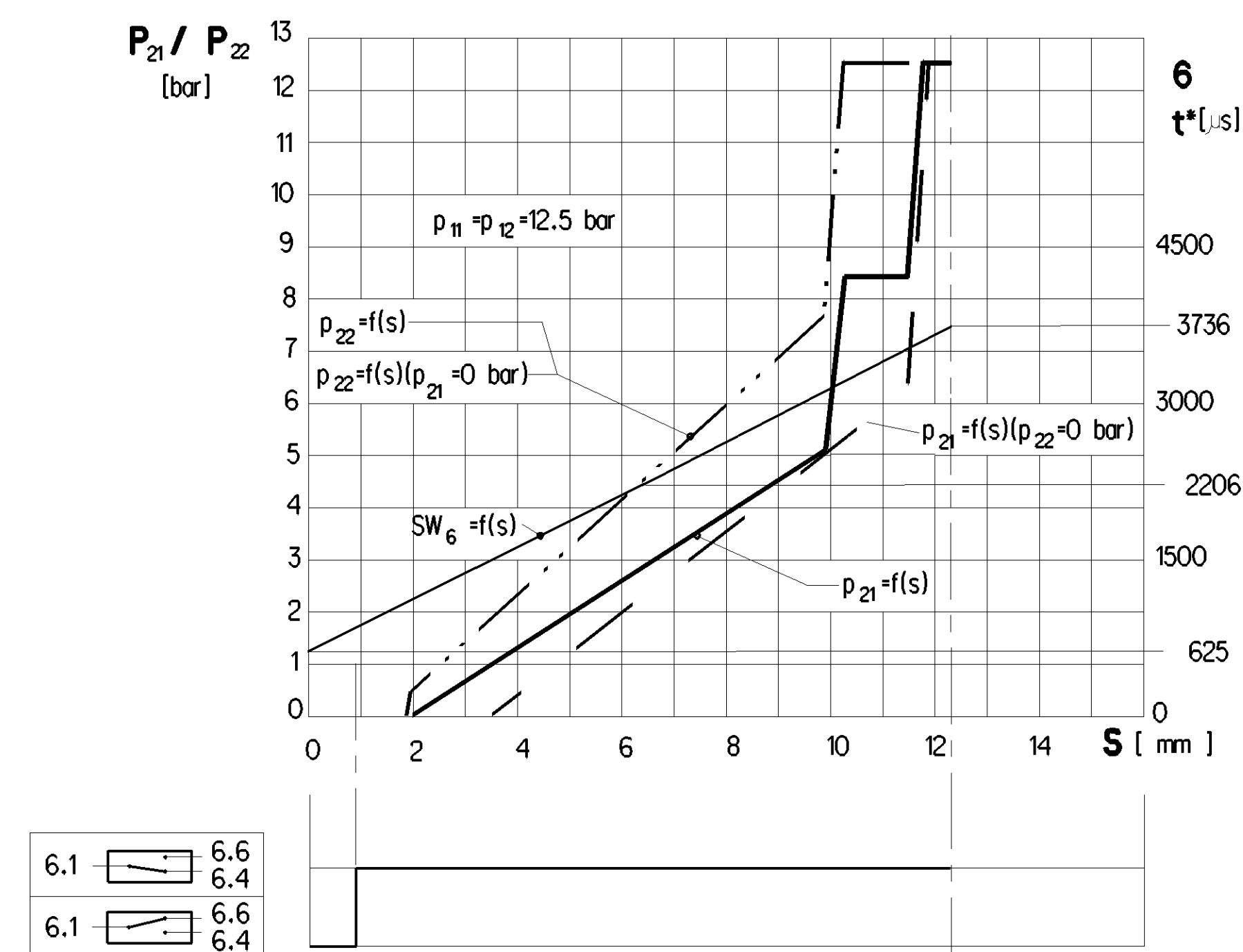
|   |                                                                                                                  |                              |                                                                             |                        |                                               |
|---|------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------|------------------------|-----------------------------------------------|
| ① | STOP WITHIN THE DEVICE ADMISSIBLE ANSCHLAG IM GERAET ZULAESSIG                                                   |                              |                                                                             |                        |                                               |
| ② | ALL ROUND ALLSEITIG                                                                                              |                              |                                                                             |                        | MAX. 5°                                       |
| ③ | BALL KUGEL                                                                                                       | $\varnothing 8 \pm 0.3$<br>0 | ROD STANGE                                                                  | MAX. $\varnothing 7.9$ | WITH BALL MIT KUGEL<br>MAX. $\varnothing 7.9$ |
| ④ | INSPECTION MARK PRUEFZEICHEN                                                                                     |                              |                                                                             | EMV: E1 10R - 05 5936  |                                               |
| ⑤ | IN THIS ZONE IN DIESEM BEREICH                                                                                   |                              | WATER JETS AND PAINT NOT PERMITTED<br>KEIN STRAHLOWASSER UND LACK ZULAESSIG |                        |                                               |
| ⑥ | TAPPET CLEARANCE: OBSERVE VEHICLE MANUFACTURER'S INSTALLATION INSTRUCTION<br>EINSELSE SERIEL FINGSTELLVORSCHRIFT |                              |                                                                             |                        |                                               |

|      | MATERIAL<br>MATERIAL | SURFACE PROTECTION<br>OBERFLÄCHENSCHUTZ |
|------|----------------------|-----------------------------------------|
| I    | Al                   | JED-029M1 Cr JED-259-1                  |
| II   | PA6.6                | JED-354-1                               |
| III  | PBT-GF30             | JED-352-1                               |
| IV   | Fe                   | JED-051M4 Zn/Ni JED-739-3               |
| V    | Al                   | JED-077-1 (10) JED-007-1                |
| VI   | Fe                   | JED-051M4 Zn/C JED-256-1                |
| VII  | Fe                   | JED-051M4 Zn/C JED-256-4                |
| VIII | (8)                  | JED-024M1                               |
| IX   | NBR                  | JED-7080M                               |
| X    | CuZn37               | Sn (9)                                  |
| XI   | PA6 + PA6.6          | JED-557 + JED-484                       |
| XII  | Al                   | JED-029M1 Cr JED-259-0                  |
| XIII | CuZn                 |                                         |
| XIV  | NBR                  | JED-230 (C)                             |

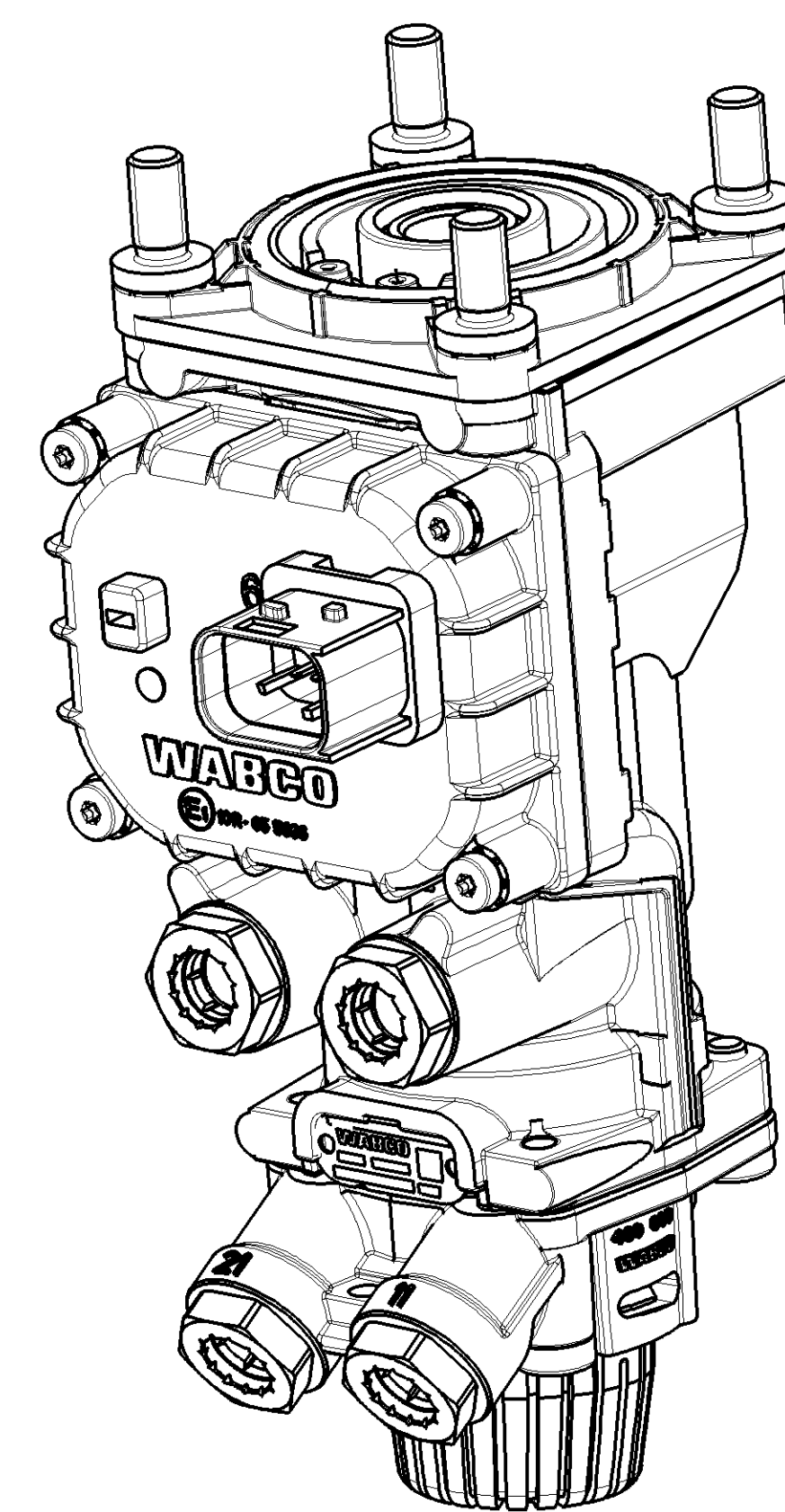
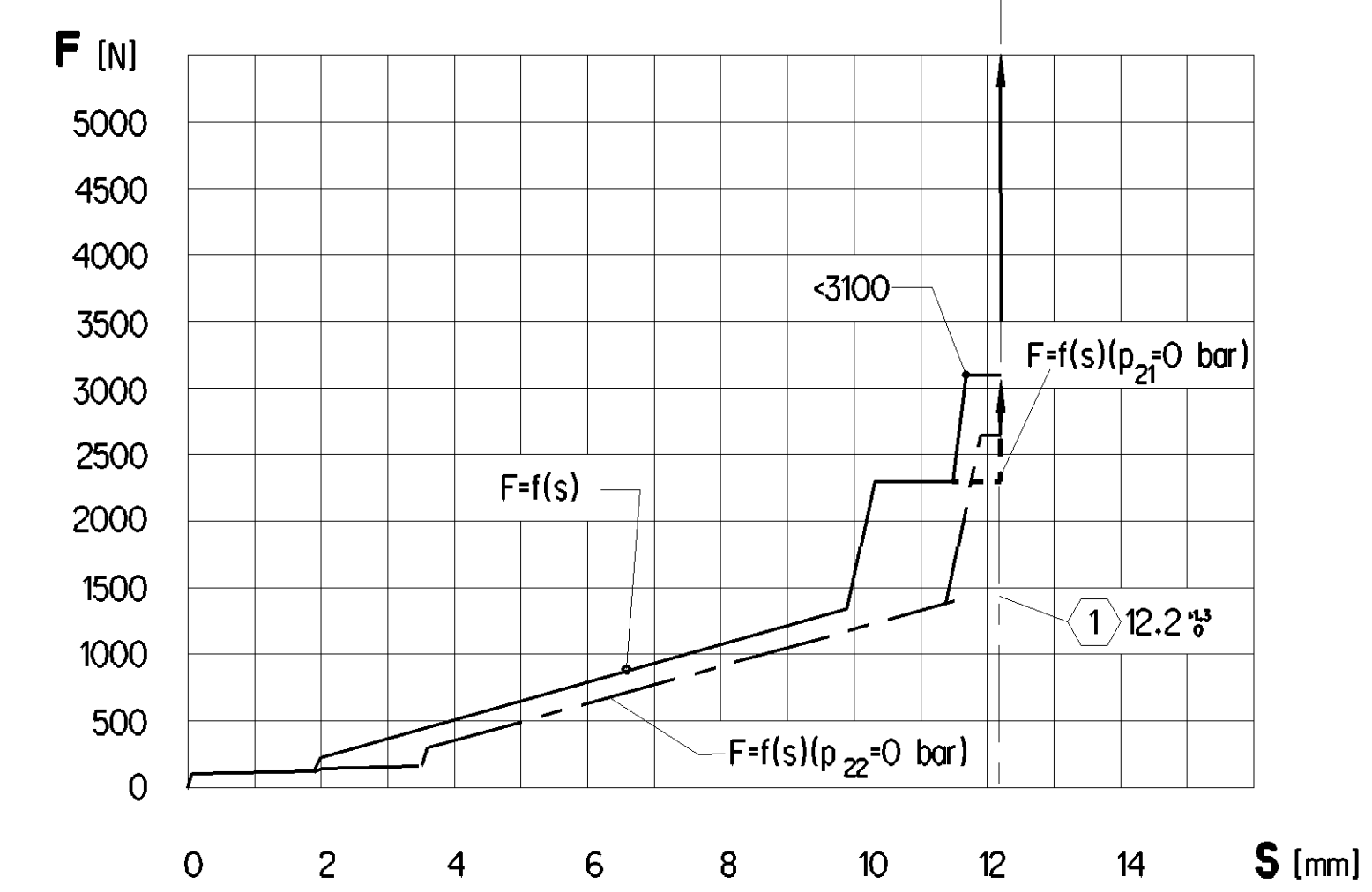


|                                                                                     |                                                                                    |                         |        |                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------|--------|--------------------------------------------------------------------------|
|                                                                                     | DES FAHRZEUGHERSTELLERS BEACHTEN                                                   |                         |        | 858 000 854 4<br>DOC.-CODE_007<br>REV. "G"                               |
| 7                                                                                   | CONNECTOR ACCORDING TO INTERFACE DRAWING<br>STECKER GEMAESS SCHNITTSTELLEZEICHNUNG |                         |        |                                                                          |
|                                                                                     | TYCO-INTERFACE DRAWING<br>TYCO-AUFFÜHRUNGSVORSCHRIFT                               |                         |        | C-114-18740-1<br>REV. "D"                                                |
|                                                                                     | CODING<br>KODIERUNG                                                                |                         |        | A                                                                        |
| 8                                                                                   | STAINLESS STEEL<br>NICHTROSTENDER STAHL                                            |                         |        |                                                                          |
| 9                                                                                   | COATING LAYER THICKNESS<br>SCHICHTDICKE                                            |                         |        | min.1,5 µm                                                               |
| 10                                                                                  | ANODIC OXIDATION<br>ANODISCHE OXIDATION                                            |                         |        |                                                                          |
| 11                                                                                  | VOSS 232 / NG8                                                                     |                         |        |                                                                          |
| 12                                                                                  | CUSTOMER RELEVANT SAFETY CHARACTERISTIC                                            |                         |        |                                                                          |
| F                                                                                   | MAX.                                                                               | PERMISSIBLE<br>ZULÄSSIG | 22000N | SEE PRODUCT SPECIFICATION<br>SIEHE PRODUKT SPEZIFIKATION                 |
|  | SURFACE ROUGHNESS<br>OBERFLÄCHENRAUHGHEIT                                          |                         |        | <div> Ra=12,5 </div> <div> FLATNESS<br/>EBENHEIT </div> <div> 0.3 </div> |

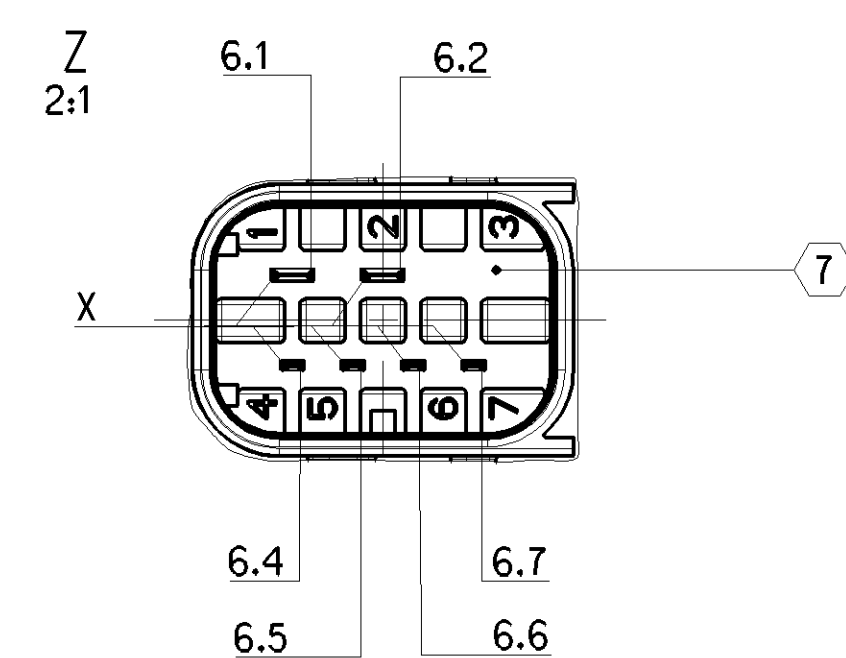
|              |                                                 |    |
|--------------|-------------------------------------------------|----|
| PORT<br>PORT | DESIGNATION<br>BENENNUNG                        |    |
| 11/12        | SUPPLY<br>VORRAT                                | 11 |
| 21/22        | OUTLET<br>AUSGANG                               | 11 |
| 3            | EXHAUST<br>ENTLUEFTUNG                          |    |
| 6            | ELECTRICAL CONNECTION<br>ELEKTRISCHER ANSCHLUSS |    |



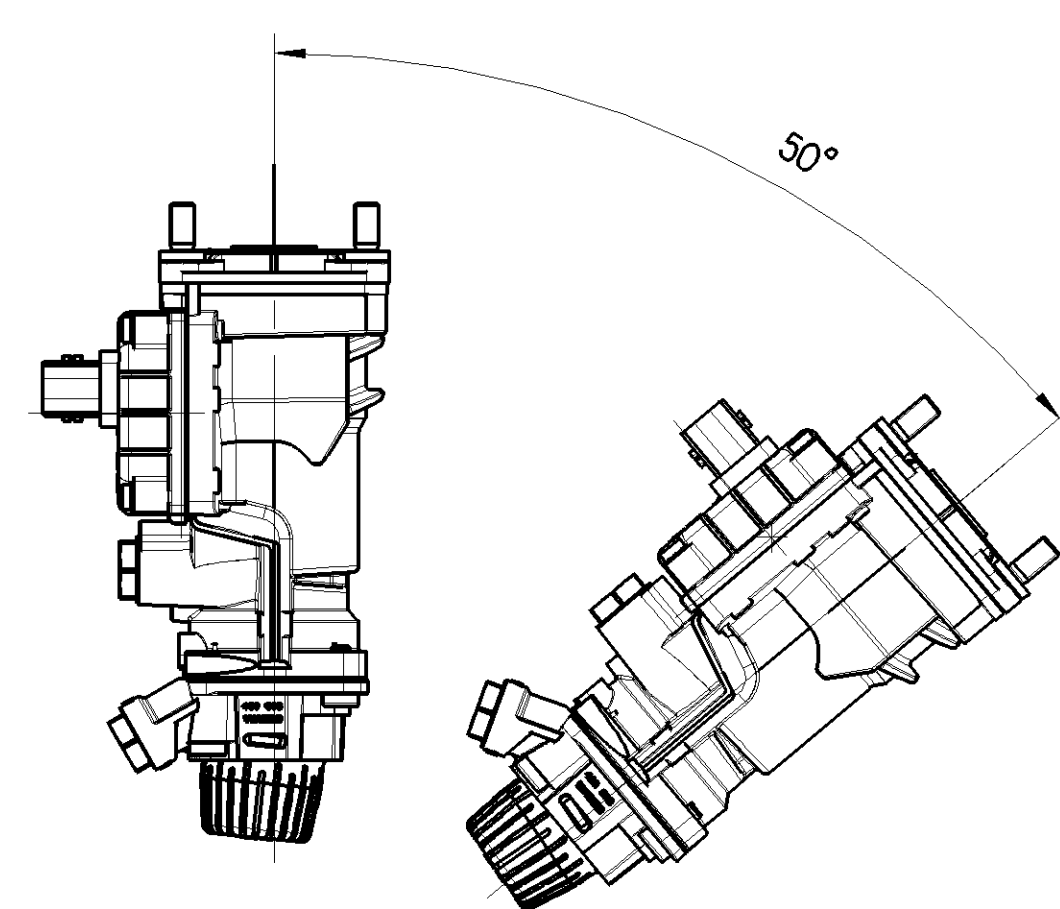
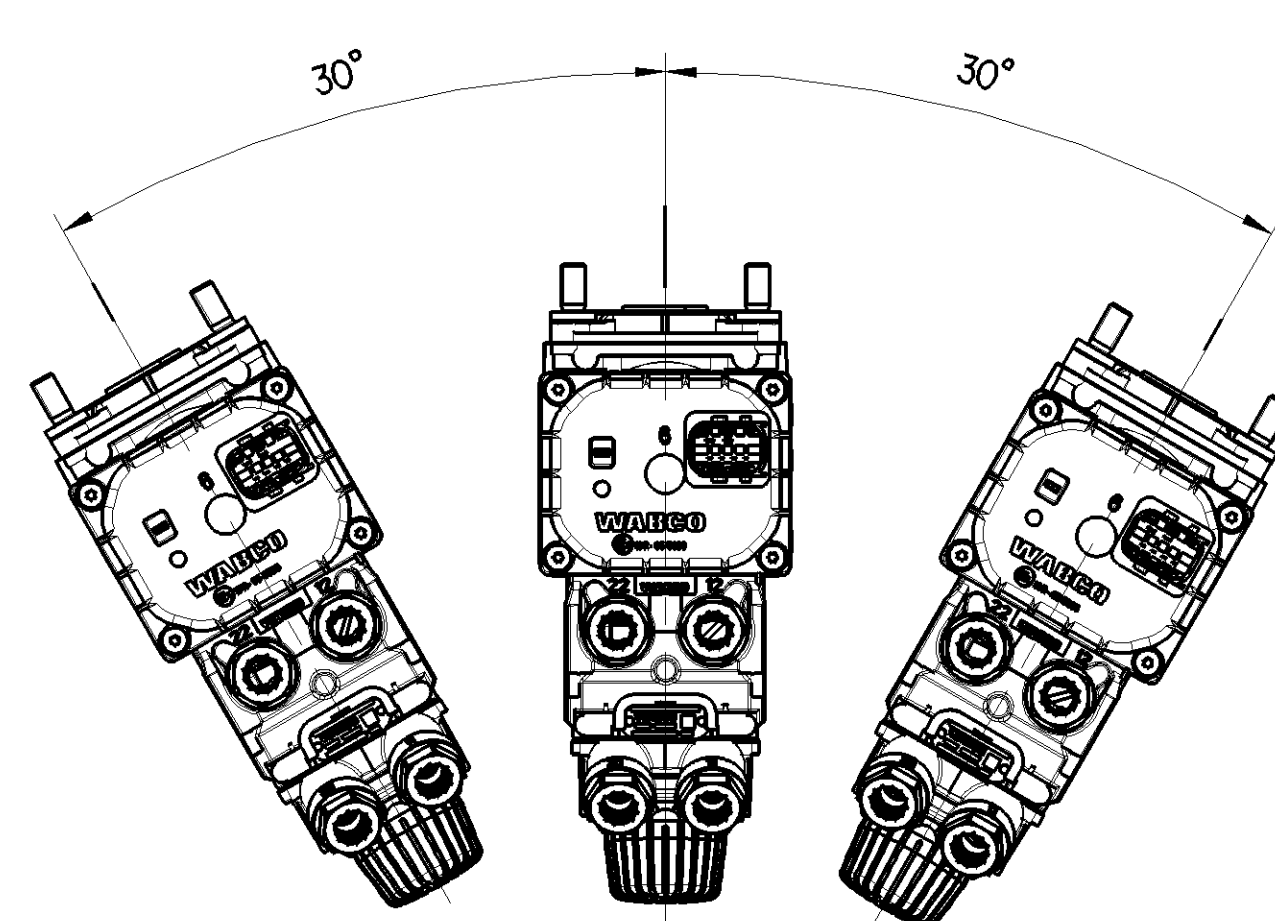
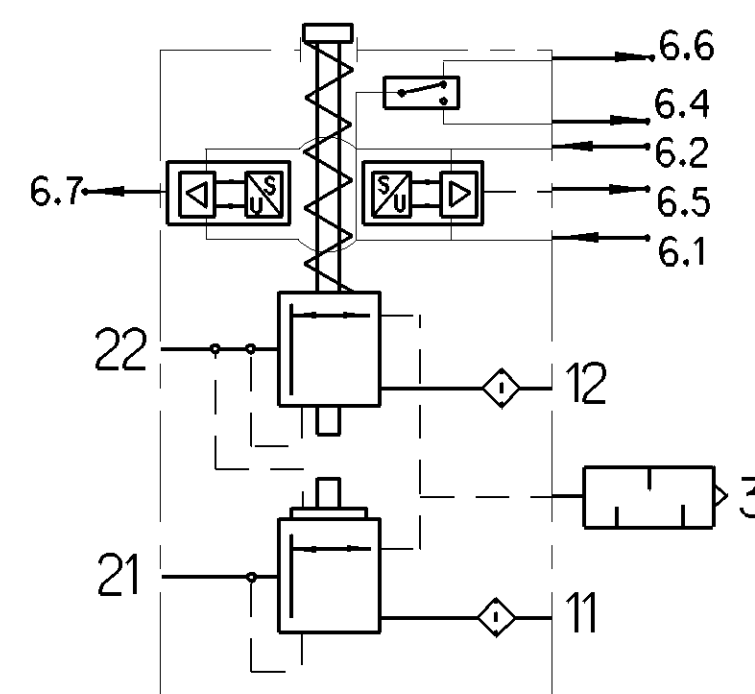
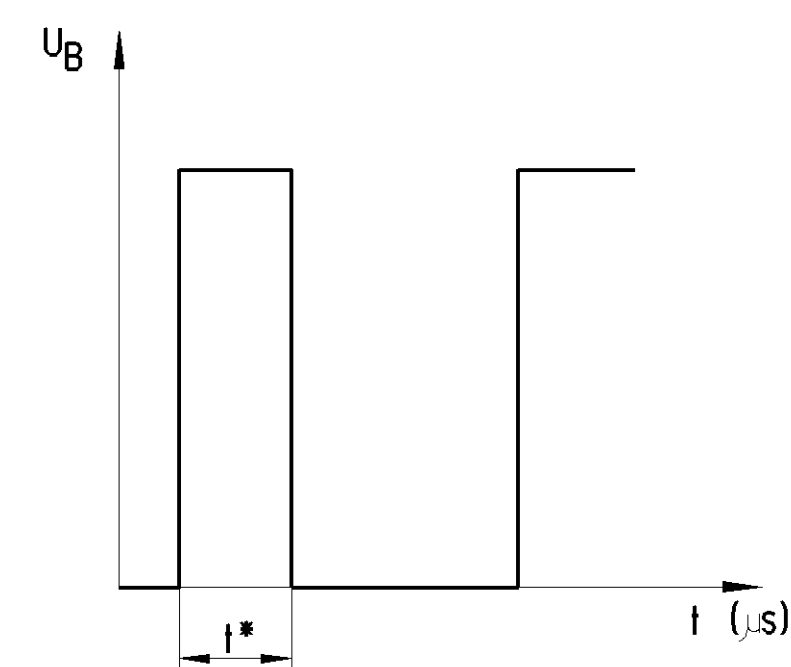
|                                                                 |   |                                        |           |                                        |          |
|-----------------------------------------------------------------|---|----------------------------------------|-----------|----------------------------------------|----------|
| AI FAILURE EPB AND PN. CIRCUIT<br>BEI AUSFALL EPB UND PN. KREIS | 2 | NECESSARY STROKE<br>ERFORDERLICHER WEG | S 13.5 mm | NECESSARY FORCE<br>ERFORDERLICHE KRAFT | F 2700 N |
|-----------------------------------------------------------------|---|----------------------------------------|-----------|----------------------------------------|----------|



|                                                     |     |       |       |                  |       |              |  |                          |  |
|-----------------------------------------------------|-----|-------|-------|------------------|-------|--------------|--|--------------------------|--|
| General Specifications JED-554-1 - S1 - S2 14405 LP |     |       |       | Copyright WABCO® |       | <b>WABCO</b> |  |                          |  |
| Further Technical Data                              |     |       |       | Size             |       | Signature    |  |                          |  |
| Doc. Codes                                          |     | Sheet |       | Draw             |       | checked      |  |                          |  |
| General Technical Data JED-261                      |     |       |       | 109-10-15        |       | Mikso        |  | BRAKE SIGNAL TRANSMITTER |  |
|                                                     |     |       |       | 109-10-15        |       | Adamski      |  | BREMSWEGTEILER           |  |
| Range of Nominal Dimensions ( ± mm)                 |     |       |       | Koska            |       | Mistral Inc. |  |                          |  |
| Class                                               | 1   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 2   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 3   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 4   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 5   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 6   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 7   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 8   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 9   | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 10  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 11  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 12  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 13  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 14  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 15  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 16  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 17  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 18  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 19  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 20  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 21  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 22  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 23  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 24  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 25  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 26  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 27  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 28  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 29  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 30  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 31  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 32  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 33  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 34  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 35  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 36  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 37  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 38  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 39  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 40  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 41  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 42  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 43  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 44  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 45  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 46  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 47  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 48  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 49  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 50  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 51  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 52  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 53  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 54  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 55  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 56  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 57  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 58  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 59  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 60  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 61  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 62  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 63  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 64  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 65  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 66  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 67  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 68  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 69  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 70  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 71  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 72  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 73  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 74  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 75  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 76  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 77  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 78  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 79  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 80  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 81  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 82  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 83  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 84  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 85  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 86  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 87  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 88  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 89  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 90  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 91  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 92  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 93  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 94  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 95  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 96  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 97  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 98  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 99  | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 100 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 101 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 102 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 103 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 104 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 105 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 106 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 107 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 108 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 109 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 110 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 111 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 112 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 113 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 114 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 115 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 116 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 117 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 118 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 119 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 120 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 121 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 122 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 123 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 124 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 125 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 126 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 127 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 128 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 129 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 130 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 131 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 132 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 133 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 134 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 135 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 136 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 137 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 138 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 139 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 140 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 141 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 142 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 143 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 144 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 145 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 146 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 147 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 148 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 149 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 150 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 151 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 152 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 153 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 154 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 155 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 156 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 157 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 158 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 159 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 160 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 161 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 162 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 163 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 164 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 165 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 166 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 167 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 168 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 169 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 170 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 171 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 172 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 173 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 174 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 175 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 176 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 177 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 178 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 179 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 180 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 181 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 182 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 183 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 184 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 185 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 186 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               | 187 | ± 0,5 | ± 1,0 | ± 1,5            | ± 2,0 |              |  |                          |  |
| Class                                               |     |       |       |                  |       |              |  |                          |  |



|     |     |                                 |          |
|-----|-----|---------------------------------|----------|
| 6.1 | GND | OV                              |          |
| 6.2 | Ub  | +(U <sub>B</sub> = 12...32V DC) |          |
| 6.4 | SW1 |                                 | 6.6      |
| 6.6 | SW2 |                                 | 6.4      |
| 6.5 | PW1 | f =                             | F=198 Hz |
| 6.7 | PW2 | f =                             | F=202 Hz |

[illegible]

Non e permesso cessione, o terzi o riproduzione questo documento, ne utilizzare il contenuto o renderlo comunque noto a terzi senza autorizzazione esplicita. Ogni infrazione costituisce un evidente abuso e comportera il risarcimento dei danni subiti. E' fatta riserva di tutti i diritti derivanti da brevetti o modelli.

Tout Communication ou reproduction de ce document, toute exploitation ou communication de son contenu sont interdites, sauf autorisation expresse. Tout manquement a cette regle constitue un abus evident et expose son auteur au versement de dommages et interets. Tous droits de propriete industrielle reserves, notamment en matiere de brevets et de modesles.

Kopieren dieses Dokument und geben it to others and the use or communication of the contents hereof, are forbidden without express authority. Contravention of this restriction will constitute an evident abuse and result in a liability to the payment of damages. All rights are reserved in the event of the grant of patent or registration of a utility model or design. This document is the subject of copyright.

Wiedergabe sowie Vervielfachung dieser Unterlagen, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestimmt. Weiterverbreitung stellen einen offensichtlichen Missbrauch dar und verpflichten zu Schadenersatz. Alle Rechte fuer den Fall der Patentierung oder Gebrauchsmuster-Eintragung vorbehalten.

HANDLING, STORAGE, PACKAGING, PRESERVATION AND DELIVERY  
HANDHABUNG, LAGERUNG, VERPACKUNG, KONSERVIERUNG UND VERSAND

480 020 000 0  
(DOC 035)

FOR FURTHER TECHNICAL DATA SEE PRODUCT SPECIFICATION DOCUMENT N°  
WEITERE TECHNISCHE DATEN SIEHE PRODUKTSPEZIFIKATION-DOKUMENTEN NR

480 003 064 0  
(CODE 035)

THE DEVICE IS SUITED FOR INSTALLATION ON THE DRIVER'S CAB ONLY  
GERAET IST NUR FUER FAHRERHAUSANBAU GEEIGNET

PERMISSIBLE LEAKAGE  
ZULAESSIGE LECKAGE

SEE PRODUCT SPECIFICATION  
SIEHE PRODUKTSPEZIFIKATION

THERMAL RANGE OF APPLICATION  
THERMISCHER ANWENDUNGSBEREICH

-40 °C....+80 °C

SHORT TERM RESISTANCE TO HEAT  
KURZZEITIGE WAERMEBESTAENDIGKEIT

MAX. 110 °C  
AT 1h

WITHOUT FUNCTION  
OHNE FUNKTION

NOMINAL DIAMETER  
NENNWEITE

12  
11  
22  
21

=>  
=>  
=>  
=>

22  
21  
3  
3

Ø6 mm  
Ø5 mm  
Ø5.4 mm  
Ø5 mm

WORKING MEDIUM  
ARBEITSMEDIUM

AIR (WATER-,OIL-AND ALCOHOL CONTAINING)  
LUFT (WASSER-,OEL-UND ALKOHOLHALTIG)

AMBIENT ENVIRONMENT  
UMGEBUNGSMEDIUM

AIR (WATER-,SALT-; DUST-AND OIL CONTAINING)  
LUFT (WASSER-,SALZ-;STAUB-UND OELHALTIG)

PERMISSIBLE PRESSURE  
ZULAESSIGER DRUCK

pe = MAX.15 bar

WORKING PRESSURE  
BETRIEBSDRUCK

pe = 12.5 bar

IN A DISTANCE OF  
IM ABSTAND VON

7m

SOUND LEVEL  
SCHALLPEGEL

< 69 dbA  
(ISO 3744)

OPERATING VOLTAGE  
BETRIEBSSPANNUNG

24<sup>+8</sup><sub>-12</sub> V DC

LOAD-CARRYING CAPACITY  
BELASTBARKEIT

6.4 / 6.6

≤ 10mA  
OHMSCHES LAST

OUTLET  
AUSGANG

6.5 / 6.7

PWM-SIGNAL  
I<sub>max</sub>.20mA  
R<sub>i</sub>=100KΩ

CURRENT CONSUMPTION  
STROMAUFNAHME

6.2

MAX.200mA

PROTECTION CLASS ACC. TO  
SCHUTZKLASSE NACH

VDE 0580

TYPE OF PROTECTION  
SCHUTZART

COMPLETE DEVICE WITH MOUNTED COUPLING  
KOMPLETTES GERAET MIT MONTIERTER KUPPLUNG

IP 6K6K  
IP 6K9K

ELECTRIC TERMINALS WITHOUT MOUNTED COUPLING  
ELEKTRISCHE ANSCHLUESSE OHNE MONTIERTER KUPPLUNG

IP 6K7

MAX. LEAKAGE, DURING PRESSURE MAINTENANCE  
OR WHILE NOT OPERATED, NEW DEVICE  
MAX. LECKAGE , DRUCKHALTEND ODER UNBETAETIGT, NEUGERAET

≥ -20 °...+80 °C  
-40°...-20°C

10 cm<sup>3</sup>/min.  
1500 cm<sup>3</sup>/min

DIN 1343

|                                                      |        |        |       |       |       |                                                                                       |            |                                                                         |               |                                                                                       |          |            |          |              |                 |  |
|------------------------------------------------------|--------|--------|-------|-------|-------|---------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|----------|------------|----------|--------------|-----------------|--|
| General Specification: JED-334-1 , Size ISO 14405 LP |        |        |       |       |       | Copyright WABCO®                                                                      |            | <div>WABCO</div> <div>BRAKE SIGNAL TRANSMITTER<br/>BREMSWERTGEBER</div> |               |                                                                                       |          |            |          |              |                 |  |
| Further Technical Data:                              |        |        |       |       |       | Date                                                                                  |            |                                                                         |               |                                                                                       |          | Signature  |          |              |                 |  |
| Doc. Code:                                           |        | Sheet: |       | To    |       | Drawn                                                                                 |            |                                                                         |               |                                                                                       |          | Miksa      |          |              |                 |  |
| General Tolerances JED-261                           |        |        |       |       |       | Checked                                                                               |            |                                                                         |               |                                                                                       |          | 2019-10-16 |          |              |                 |  |
| Range of Nominal Dimensions ( ± mm)                  |        |        |       |       |       | 2019-10-18                                                                            |            | Adamski                                                                 |               | Date of first issue: 2016-12-07                                                       |          |            |          |              |                 |  |
|                                                      |        |        |       |       |       | Expert                                                                                |            |                                                                         |               |                                                                                       |          |            |          |              |                 |  |
|                                                      |        |        |       |       |       | Keska                                                                                 |            |                                                                         |               |                                                                                       |          |            |          |              |                 |  |
| Class 1)                                             | ≤ 50   | ≤ 50   | ≤ 180 | ≤ 400 | > 400 |  | Mass       | Scale                                                                   | Material No.  |                                                                                       | Doc.Code | Language   | Sheet    |              |                 |  |
|                                                      | Fine   | 0,5    | 1,0   | 1,5   | 2,0   |                                                                                       | 1.44<br>KG | NTS                                                                     | 480 003 064 0 | 005                                                                                   | DE       | 2/2        |          |              |                 |  |
|                                                      | Medium | X      | 1,0   | 2,0   | 3,0   |                                                                                       |            |                                                                         |               |                                                                                       |          |            | 4,0      |              |                 |  |
|                                                      | Coarse | 2,0    | 3,5   | 5,0   | 6,5   |                                                                                       |            |                                                                         |               |                                                                                       |          |            |          |              |                 |  |
| Tapped Holes acc. -                                  |        |        |       |       |       | Size                                                                                  |            | CAD System                                                              |               |                                                                                       |          |            |          |              |                 |  |
| 1) Tolerance Class Applied Crossmarked               |        |        |       |       |       | A 2                                                                                   |            | CREO                                                                    |               |  |          | ECN-No.    | Revision | Techn. Resp. | Replacement for |  |
|                                                      |        |        |       |       |       |                                                                                       |            |                                                                         |               |                                                                                       |          | 175367     | 1/4 C    | 6860         | 480 003 044 0   |  |