

Technical drawing of a WABCO electrically controlled air dryer assembly, showing multiple views (front, side, top, bottom, and detail views) and a wiring diagram. The drawing includes dimensions, part numbers, and a table of specifications.

Table 1: QUADPURPLE CIRCUIT PROTECTION VALVE

PORT ANSCHLUSSE ORIFICE ORIFIZIO	FUNCTION FUNCTION FONCTION FUNZIONE	THREAD GEWINDE FILETTATURA
(1)	FROM AIR DRYER VOM LUFTTROCKNER DE DESSICATEUR D'AIR ESSICCATORE D'ARIA	-
21	SERVICE BRAKE BETRIEBSBREMS FRENAGE FREINATURA	M22x1.5 TO SUIT VOSS PLUG IN SYSTEM 230 (NG-12)
22	SERVICE BRAKE BETRIEBSBREMS FRENAGE FREINATURA	M22x1.5 TO SUIT VOSS PLUG IN SYSTEM 230 (NG-12)
23	PARKING BREAKING SYSTEM FESTSITZBREMSANLAGE DISPOSITIF DE FREINAGE DE STATIONNEMENT DISPOSITIVO DI FRENATURA DI STAZIONAMENTO	M22x1.5 TO SUIT VOSS PLUG IN SYSTEM 230 (NG-12)
24	AUXILIARIES NEBENVERBRAUCHER AUXILIAIRES AUSILIARI	M22x1.5 TO SUIT VOSS PLUG IN SYSTEM 230 (NG-12)

Table 2: ELECTRICALLY CONTROLLED AIR DRYER

PORT ANSCHLUSSE ORIFICE ORIFIZIO	FUNCTION FUNCTION FONCTION FUNZIONE	THREAD GEWINDE FILETTATURA
1	FROM THE COMPRESSOR VOM KOMPRESSOR PROVENANT DU COMPRESSEUR PROVENIENTE DEL COMPRESSORE	OUTER THREAD M26x1.5
12	AUXILIARY FILL HILFSPUELLUNG L'AUXILIAIRE REMPLIT L'AUXILIARE RIEMPIE	- CLOSED - VERSCHLOSSEN - FERMÉ - CHIUSO M22x1.5 d=14
(21)	TO THE RESERVOIRS ZU DEN LUFTBEHAELTERN AUX RESERVOIR AL SERBATOII PER	-
25	AIR OUTLET TO AIR SUSPENSION ENERGIENFLUSS LUFTFEDERUNG SORTITA D'ENERGIE SUSPENSION PNEUMATIC USPIITA VERSO SOSPENSIONE D'ARIA	- CLOSED - VERSCHLOSSEN - FERMÉ - CHIUSO M16x1.5 d=14
26	TIRE INFLATING CONNECTION REIFENPUELLANSCHLUSS RACCORD POUR GONFL. DES PNEUS RACCORDO PER GONF. PNEUS	- CLOSED - VERSCHLOSSEN - FERMÉ - CHIUSO M22x1.5 d=14
3	EXHAUST FOR COMPRESSED AIR ENTLUEFTUNG FUER DRUCKLUFT ACHAPPEMENT POUR AIR COMPRI ME SCARICO PER ARIA COMPRESSA	SILENCER 432 407 015 0
31	EXHAUST OF THE SAFETY VALVE ENTLUEFTUNG DES SICHERHEITSVENTILES ACHAPPEMENT DE LA SOUPEPE DE SECURITE SCARICO DELLA VALVOLA DI SICUREZZA	-
32	EXHAUST FOR COMPRESSED AIR ENTLUEFTUNG FUER DRUCKLUFT ACHAPPEMENT POUR AIR COMPRI ME SCARICO PER ARIA COMPRESSA	-
4	TO THE COMPRESSOR ZUM KOMPRESSOR AU COMPRESSEUR AL COMPRESSORE	M16x1.5 TO SUIT VOSS PLUG IN SYSTEM 230 (NG-8)
6	ELECTRICAL CONTROL ELEKTRISCHER STEUERANSCHLUSS COMMANDE ELECTRIQUE COMANDO ELETTRICO	-

Table 3: General Specifications

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 4: Dimensions

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 5: Material

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 6: Surface Protection

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 7: Mounting Height

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 8: Positioning

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 9: Solenoid

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 10: Inlet Connection Details

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 11: Wiring Diagram

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 12: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 13: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 14: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 15: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 16: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 17: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 18: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 19: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 20: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 21: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 22: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 23: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 24: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 25: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 26: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 27: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 28: Installation Position

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 29: For Detailed Cartridge Assembly

Doc. Code	General	Technical Data	Product Specification
432 505 011 0	General	Technical Data	Product Specification

Table 30:

Non e permesso cessione, o terzi o riprodurre 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.

Toute 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.

Werkzeuge sowie Verfertigung dieser Unterteile, Verfertigung und Mitnahme hierin nicht gestattet, soweit nicht ausdruecklich zugestimmt. Weiterverarbeiten, Zwickelmassnahmen stellen einen offensichtlichen Missbrauch dar und verpflichten zu Schadenersatz. Alle Rechte fuer den Fall der Patentierung oder Gebrauchsmuster-Eintragung vorbehalten.

TECHNICAL DATA, TECHNISCHE DATEN, CARASTERISTIKES TECHNIQUES, CARATTERISTICHE TECNICHE

THERMAL RANGE OF CONTINUOUS APPLICATION:
THERMISCHER DAUERANWENDUNGSBERREICH:
PLAGE DE TEMPERATURE EN UTILISATION CONTINUE:
COMPO DI APPICAZIONE CONTINUA:
-40°C...+65°C
MAX 10% OF VEHICLE RUN-TIME UP TO +80°C
(REDUCED DRYING PERFORMANCE)

RESISTANCE TO HEAT:
WAERMEBESTAENDIGKEIT:
RESISTANCE A LA CHALEUR:
RESISTANZA AL CALORE:
SHORT TERM +110°C/1 HOUR
(WITHOUT PRESSURE AND VOLTAGE)

MEDIUM: COMPRESSED AIR
MEDIUM: DRUCKLUFT
FLUIDE: AIR COMPRIME
FLUIDO: ARIA COMPRESSA

ELECTRICALLY CONTROLLED AIRDRYER WORKING PRESSURE:
EL.GESTEUER LUFTTROCKNER BETRIEBSDRUCK:
DESSICCAEUR EILECTRIQUEMENT COMMANDE D'AIR PRESSION DE SERVICE:
ESSICCATORE ELETRICAMENTE CONTROLLATO DELL'ARIA PRESSIONE D' ESERCIZIO:
Pe MINIMUM= 7.5 bar
Pe MAXIMUM= 10.0 bar

INSTALLATION POSITION AS DRAWN
EINBAULAGE WIE GEZEICHNET
POSITION D' INSTALLATION SUIVANT DESSIN
POSIZIONE DI MONTAGGIO COME DISEGNATO

TORQUE FOR CONNECTIONS:
ANZUGSMOMENT FUER EINSCHRAUBSTUTZEN:
COUPLE DE SERRAGE DES RACCORDS:
COPPIA DI SERRAGGIO DE RACCORDI:
M16x1.5= 34 Nm MAXIMUM

OPENING PRESSURE OF SAFETY VALVE:
OEFENUNGDRUCK DES SICHERHEITSVENTILES:
PRESSION D'OUVERTURE DU SOUPAPE DE SECURITE:
PRESSIONE D'APERTURA DELLA VALVOLA DI SICUREZZA:
12.0^{+1.2}₀ bar

CUT OUT PRESSURE:
ABSCHALTDRUCK:
PRESSION D'OUVERTURE:
PRESSIONE D'APERTURA:
MAX. 9.8-10.0 bar

CUT IN PRESSURE:
EINSCHALTDRUCK:
PRESSION D'ENCLenchement:
PRESSIONE DI INNESTO:
MIN. 7.8 bar

PROTECTION VALVE SCHUTZVENTIL VALVE DE PROTECTION VALVOLA DI PROTEZIONE						
PORTS ORFICES	ANSHLUESSE ATTACCHI	21	22	23	24	
OPENING PRESSURE DYNAMIC OEFENUNGSDRUCK DYNAMISCH PRESSION DE OUVERTURE DYNAM PRESSIONE DI APERTURA DINAM	BAR	7.2 _{0-0.3}	7.2 _{0-0.3}	7.6 _{0-0.3}	7.6 _{0-0.3}	
CLOSING PRESSURE STATIC AT FAILURE OF CIRCUIT SCHLIESSDRUCK STATISCH BEI AUSFALL VON KREIS PRESSION DE FERMETURE STATIQUE EN CAS DE DEFAILLANCE DU CIRCUIT PRESSIONE DI CHIUSURA STATICA IN CASO DI DIFETTO DEL CIRCUITO	BAR	0	≥5.5	≥ 5.5	≥ 5.5	
		≥5.5	0	≥5.5	≥5.5	
		≥5.5	≥5.5	0	≥5.5	
		≥5.5	≥5.5	≥5.5	0	

GOVERNOR

(6.2) SOLENOID
VENTILMAGNET
SOLENOID
AIMANT

WORKING VOLTAGE:
BETRIEBSSPANNUNG:
VOLTAGE D'UTILISATION:
VOLTAGGIO DI ESERCIZIO:
24.0^{+8.0}_{-6.0} V DC

NOMINAL CURRENT:
NENNSTROM:
COURANT NOMINAL:
CORRENTE NOMINALE:
0.49 A

SERVICE CONDITION:
BETRIBSART:
CONDITION DU SERVICE:
CONDIZIONE DI SERVIZIO:
100% ED

NOMINAL DIAMETER SUPPLY / EXHAUST
NENNWEITE BELUEFTUNG / ENTLUEFTUNG
DIAMETRE NOMINAL ALIMENTATION / ECHAPPMENT
DIAMETRO NOMINALE ALIMENTAZIONE / SCARICO
Ø1.25/1.70 mm

REGENERATION

(6.1) SOLENOID
VENTILMAGNET
SOLENOID
AIMANT

WORKING VOLTAGE:
BETRIEBSSPANNUNG:
VOLTAGE D'UTILISATION:
VOLTAGGIO DI ESERCIZIO:
24.0^{+8.0}_{-6.0} V DC

NOMINAL CURRENT:
NENNSTROM:
COURANT NOMINAL:
CORRENTE NOMINALE:
0.49 A

SERVICE CONDITION:
BETRIBSART:
CONDITION DU SERVICE:
CONDIZIONE DI SERVIZIO:
50% ED

NOMINAL DIAMETER SUPPLY / EXHAUST
NENNWEITE BELUEFTUNG / ENTLUEFTUNG
DIAMETRE NOMINAL ALIMENTATION / ECHAPPMENT
DIAMETRO NOMINALE ALIMENTAZIONE / SCARICO
Ø1.25/-mm

General Specification: JED-334-1 , Size ISO 14405 LP					Copyright WABCO®		WABCO																								
Further Technical Data: Product Specification					Date Signature																										
Doc. Code: 035		Sheet: 1 To 2			Drawn		ELECTRICALLY CONTROLLED AIR PROCESSING UNIT EL.GESTEUERTER DRUCKLUFTAUFBEREITUNG ELECTRIQUEMENT COMMANDÉ UNITE COMPACTE ELETRICAMENTE CONTROLLATO UNITA COMPATTA																								
General Tolerances JED-261					2021-03-10 Cwickalski																										
Range of Nominal Dimensions (± mm)					Checked		Date of first issue: 2016-04-05																								
					2021-03-16 Zowiszo																										
<table><tr><td>Class 1)</td><td>≤ 50</td><td>> 50 ≤ 180</td><td>> 180 ≤ 400</td><td>> 400</td><td rowspan="2"></td></tr><tr><td>Fine</td><td>0.5</td><td>1.0</td><td>1.5</td><td>2.0</td></tr><tr><td>Medium</td><td>X 1.0</td><td>2.0</td><td>3.0</td><td>4.0</td><td rowspan="2">±3°</td></tr><tr><td>Coarse</td><td>2.0</td><td>3.5</td><td>5.0</td><td>6.5</td></tr></table>					Class 1)	≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400		Fine	0.5	1.0	1.5	2.0	Medium	X 1.0	2.0	3.0	4.0	±3°	Coarse	2.0	3.5	5.0	6.5	Expert		Doc.Code Language Sheet		
					Class 1)	≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400																						
Fine	0.5	1.0	1.5	2.0																											
Medium	X 1.0	2.0	3.0	4.0	±3°																										
Coarse	2.0	3.5	5.0	6.5																											
Biemal																															
Mass		Scale		Material No.		Date of first issue: 2016-04-05																									
5.72 KG		1:1		932 505 011 0		005		ML	2/2																						
Size		CAD System				ECN-No.		Revision	Techn. Resp.																						
A 2		CREO				504583		- B	511	Replacement for																					
Tapped Holes acc. JED-152																															
1) Tolerance Class Applied Crossmarked																															