

④ SEE SHEET : 2/2 NUMBER 9.
I-XVI SEE SHEET : 2/2

PRODUCTION SITE	LABEL ID NUMBER	LABEL LAYOUT
048	899 050 145 4	PRODUCTION DATE WABCO ID NUMBER

WABCO EBS-AXLE MODULATOR

General Specification: JED-334-1 - Size ISO 14405 LP	Further Technical Data: 480 103 000 R	Date: 2019-11-20	Signature: John	Material No.: 480 103 011 R	Date of first issue: 2014-08-06
Doc. Code: 035	Sheet: 1 To 22	Checked: Stobdzian	Expert: Fidzianski	Doc. Code: 005	Language: EN
General Tolerances JED-261	Range of Nominal Dimensions (± mm)	Scale: 1:1			
Class	1) < 50	> 50 > 180	> 180 > 400	> 400	Revision: 3x
Fine	0.5	1.0	1.5	2.0	Techn. Resp.: 6840_FM
Medium	X 1.0	2.0	3.0	4.0	Replacement for:
Coarse	2.0	3.5	5.0	6.5	
Tapped Holes acc. ISO 4039 / JED-388					
1) Tolerance Class Applied Crossmarked					

SOFTWARE STATUS	PORT																APPLICATION	REMARKS
	11	12	13	21.1	21.2	22.1	22.2	23	61	62	63	66	67	68				
446 140 555 4 & 446 140 573 4	X	X	X	X	/●	X	/●	X	X	X	X	X	X	/●	2-Axis vehicle	AXOR, ATEGO/S (EPB-Pocket 99)		

● CLOSED

1.1	WORKING MEDIUM	AIR	(WATER, OIL AND ALCOHOL CONTAINING)
1.2	AMBIENT ENVIROMENT	air	(CONTAINING WATER, SALT, DUST AND OIL)
2.1	THERMAL RANGE OF APPLICATION	-40° ... +80°C	SEE PRODUCT SPECIFICATION
2.2	SHORT TERM RESISTANCE TO HEAT	MAX. 110°C AT 1h	WITHOUT FUNCTION
3.1	WORKING PRESSURE (SUPPLY)	$p_e = 10 \text{ bar}$	
3.2	MAX. PERMISSIBLE WORKING PRESSURE (SUPPLY)	$p_e = 13 \text{ bar}$	
4	MIN. FLOW PASSAGE	/NOMINAL DIAMETER	PORT 11-21, 23/12-22: 50.3 mm ² /NW 8 PORT 21, 22, 23-3: 78.5 mm ² /NW 10 PORT 13-21, 22: 78.5 mm ² /NW 10
5	VOLTAGE TERMINAL 61.1 / 61.2	24 +8/-9.5 V	
6	MAX. CURRENT TERMINAL 61.1 / 61.2	5 A / 10. bar	DIRECT CURRENT
7	DATA TRANSFER	CAN	ACCORDING TO ISO 11898
8	TYPE OF PROTECTION	IP 66, IP 69K	COMPLETE DEVICE WITH MOUNTED COUPLING
09	INSTALLATION LIMITATIONS MAX. DEVIATION OF THE DEVICE FROM THE VERTICAL	45°	SEE SHEET 1/2 (4)

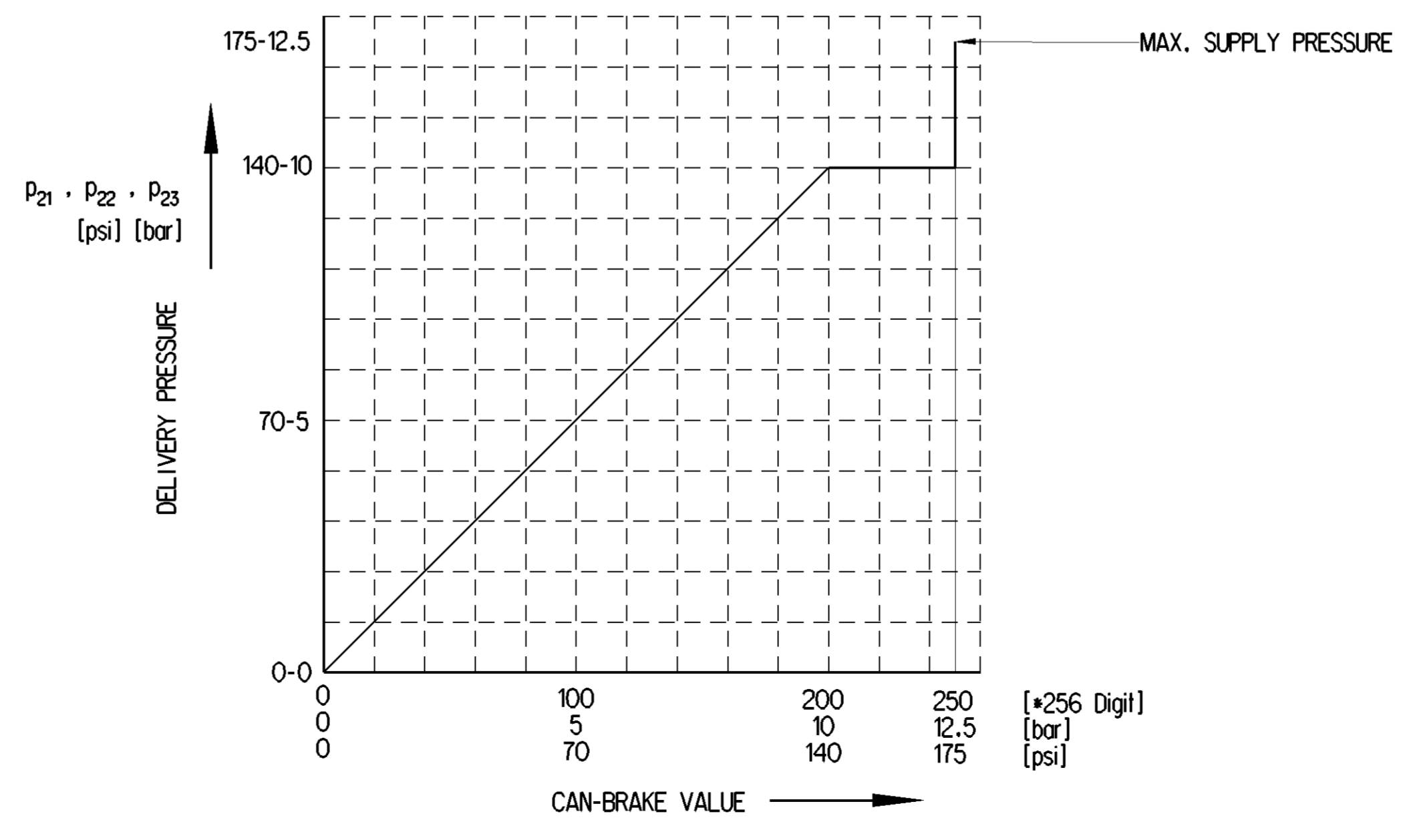
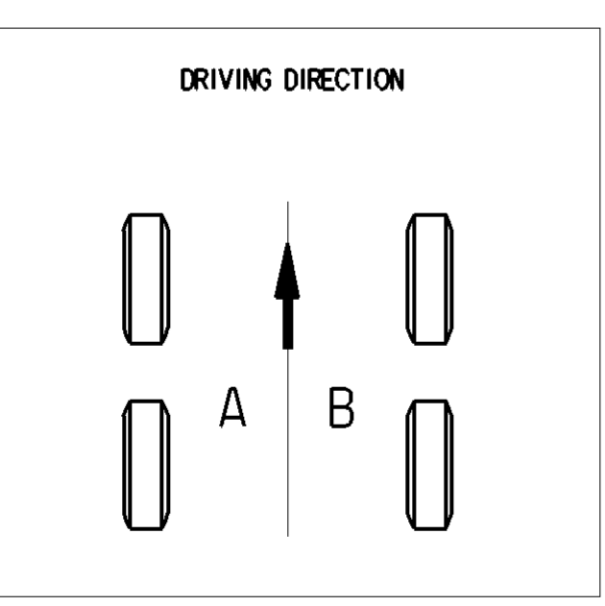
MATERIAL AND SURFACE PROTECTION			
I	Al JED-029M1 / C JED-259	X	JED-570.845
II	Al 99.0 ISO/R 828	XI	PA 6.6 JED-354.1
III	Al JED-077M1 / JED-007.1	XII	Fe JED-048M1 / JED-371
IV	Fe JED-050M0	XIII	CuZn40Pb2-F48 / CuZn39Pb3-F48
V	Fe JED-051M4 / Zn/C JED-256-1	XIV	Fe JED-020.1 / Zn/C JED-256-1
VI	Fe JED-051M4 / JED-378.1	XV	JED-308
VII	Al JED-019M1 / JED-259	XVI	JED-015M1 / JED-256
VIII	PA 6.6 JED-753.1		
IX	JED-570.865		

SEE SHEET : 1/2 I-XVI

	①	②	③
TORQUE	max. 53 Nm	max. 86 Nm	max. 34 Nm
LENGTH OF ENGAGEMENT	max. 12 mm	A-min. 24 mm	max. 12 mm

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PORT		FUNCTION
SIDE A	SIDE B	
11	12	SUPPLY
13		BACK UP PORT
21.1 21.2	22.1 22.2	DELIVERY (AFTER DOUBLE CHECK VALVE)
23		DELIVERY (DIRECT)
3		EXHAUST
61 61.1 61.2 61.3 61.4		CAN AND SUPPLY U GROUND CAN HIGH CAN LOW
63 63.1 63.2	62 62.1 62.2	WHEEL SPEED SENSOR SENSOR HIGH SENSOR LOW
67 67.1 67.2 67.3	66 66.1 66.2 66.3	LINING WEAR SENSOR SUPPLY OUTLET GROUND SIGNAL



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General Tolerances JED-261		Expert: Stobdzian	
Range of Nominal Dimensions (± mm)		Fidzianski	
Class	1) ≤ 50 2) 50 < 180 3) 180 ≤ 400 4) 400 > 400	Mass	Scale
Fine	0.5 1.0 1.5 2.0	7.0 kg	1:1
Medium	X 1.0 2.0 3.0 4.0 ±3°	Size	CAD System
Coarse	2.0 3.5 5.0 6.5	A 1	CREO
Tapped Holes acc. ISO 4039 / JED-388		Material No. 480 103 011 R	
1) Tolerance Class Applied Crossmarked		ECN-No. 502774	Revision 3x B
		Date of first issue: 2014-08-06	
		Doc. Code Language Sheet	
		005 EN 2/2	
		Tech. Resp. 6840_FM	
		Replacement for	