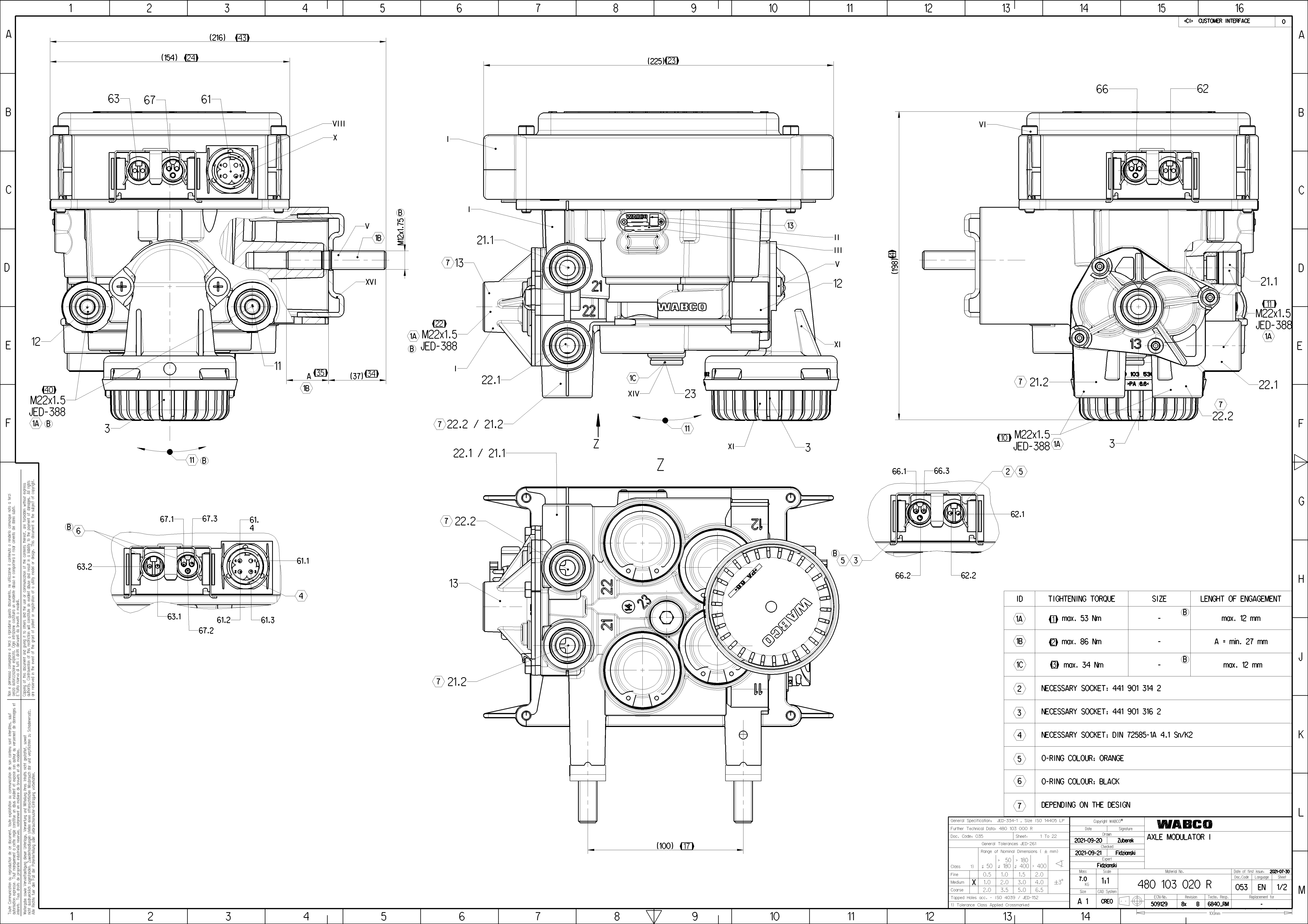




ID	TIGHTENING TORQUE	SIZE	LENGHT OF ENGAGEMENT
1A	1 max. 53 Nm	- B	max. 12 mm
1B	2 max. 86 Nm	-	A = min. 27 mm
1C	3 max. 34 Nm	- B	max. 12 mm
2	NECESSARY SOCKET: 441 901 314 2		
3	NECESSARY SOCKET: 441 901 316 2		
4	NECESSARY SOCKET: DIN 72585-1A 4.1 Sn/K2		
5	O-RING COLOUR: ORANGE		
6	O-RING COLOUR: BLACK		
7	DEPENDING ON THE DESIGN		

General Specification: JED-334-1 ; Size ISO 14405 LP						Copyright WABCO®		WABCO					
Further Technical Data: 480 103 020 R						Date		Signature		AXLE MODULATOR I			
Pac. Code# 035		Sheet#		1 To 22		2021-09-20		Drawn Zuberka					
General Tolerances JED-261						Checked		2021-09-21		Fidzianski			
Range of Nominal Dimensions (± mm)						Expert							
						Fidzianski							
Class 1)		≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400	Fidzianski		Mass Scale		Material No.			
Fine		0.5	1.0	1.5	2.0	7.0		1:1		Date of first issue			
Medium		X	1.0	2.0	3.0	4.0		KIS		Doc. Code Language Sheet			
Coarse			2.0	3.5	5.0	6.5		CIG CAD System		053 EN 1/2			
Tapped Holes acc. = ISO 4039 / ISO 1512						EDN-No.		Revision		Techn. Resp.			
1) Tolerance Class Applied Crossmarked						A 1 CREO		509129		8x B 6840_RSM			
										Replacement for			
										-			

8

SOFTWARE CONFIGURATION

DEVICE	NUMBER	SOFTWARE	STATUS	PORT																APPLICATION	REMARKS
				11	12	13	21.1	21.2	22.1	22.2	23	61	62	63	66	67					
480	103 022 R	446 140 555 4	& 446 140 573 4	X	X	•	X	•	X	•	•	X	X	X	X	X	AA: 4x2, 6x2, 6x4	WITHOUT BACKUP			
480	103 024 R	446 140 553 4	& 440 140 554 4	X	X	•	X	•	X	•	•	X	X	X	X	X	SZM	WITHOUT BACKUP 500 KBa			
480	103 025 R	446 140 553 4	& 440 140 554 4	X	X	X	X	X	X	X	•	X	X	X	X	X	LKW	WITH BACKUP 500 KBa			

X OPEN
• CLOSED

9

ELECTRIC SCHEME

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		LINING WEAR SENSOR
67.1	66.1	SUPPLY OUTLET
67.2 67.3	66.2 66.3	GROUND SIGNAL

10

PERFORMANCE DIAGRAM

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 bar

3.2 MAX. PERMISSIBLE WORKING PRESSURE (SUPPLY): p_e = 13 bar

4 MIN. FLOW PASSAGE: /NOMINAL DIAMETER
PORT 11-21, 23/12-22: 50.3 mm²/NW 8
PORT 21, 22, 23-3: 78.5 mm²/NW 10
PORT 13-21, 22: 78.5 mm²/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°

12

INSTALLATION POSITION

13

LABELING INFORMATION TABLE (SEE ALSO DOC.922)

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

14

MATERIAL AND SURFACE PROTECTION

I	AI JED-029M1 / C JED-259	X	JED-570.845
II	AI 99.0 ISO/R 828	XI	PA 6.6 JED-354.1
III	AI JED-077M1 / JED-007.1	XII	Fe JED-048M1 / JED-371
IV	Fe JED-050MO	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	AI JED-019M1 / JED-259	XVI	JED-015M1 / JED-256
VIII	PA 6.6 JED-753.1		
IX	JED-570.865		

General Specifications: JED-334-1, Size ISO 14405 LP

Further Technical Data: 480 103 000 0

Doc. Code: 535 Sheet: 1 To 25

General Tolerances JED-261

Range of Nominal Dimensions (± mm)

Class 1) ± 50 ± 50 ± 180 ± 400 ± 400

Fine 0.5 1.0 1.5 2.0

Medium X 1.0 2.0 3.0 4.0

Coarse 2.0 3.5 5.0 6.5

Tapped Holes acc. to ISO 4039 / JED-152

1) Tolerance Class Applied Crossmarked

Copyright WABCO®

Date 2021-09-20

Drawn Zuberak

Checked Fidzianski

Expert Fidzianski

Mass 7.0 kg

Scale 1:1

Material No. 480 103 020 R

Date of first issue: 2021-07-30

Doc. Code 005

Language EN

Sheet 2/2

Revision 8x B

Techn. Resp. 6840_RM

Replacement for

100mm

Non è permesso copiare o riprodurre questo documento, né utilizzare il contenuto o renderlo comunque noto a terzi senza permesso scritto dalla WABCO. È vietata espressamente la ristampa o l'uso non autorizzato di questo documento. Toute réimpression ou utilisation non autorisée sans la permission écrite de la WABCO est formellement interdite. Toute utilisation non autorisée sera considérée comme une violation des droits de propriété intellectuelle. All Rights Reserved. WABCO and its logos are registered trademarks of WABCO. All other marks and logos are the property of their respective owners. WABCO e i suoi loghi sono marchi registrati di WABCO. Tutti gli altri marchi e loghi sono di proprietà dei rispettivi titolari. WABCO e i suoi loghi sono marchi registrati di WABCO. Tutti gli altri marchi e loghi sono di proprietà dei rispettivi titolari.