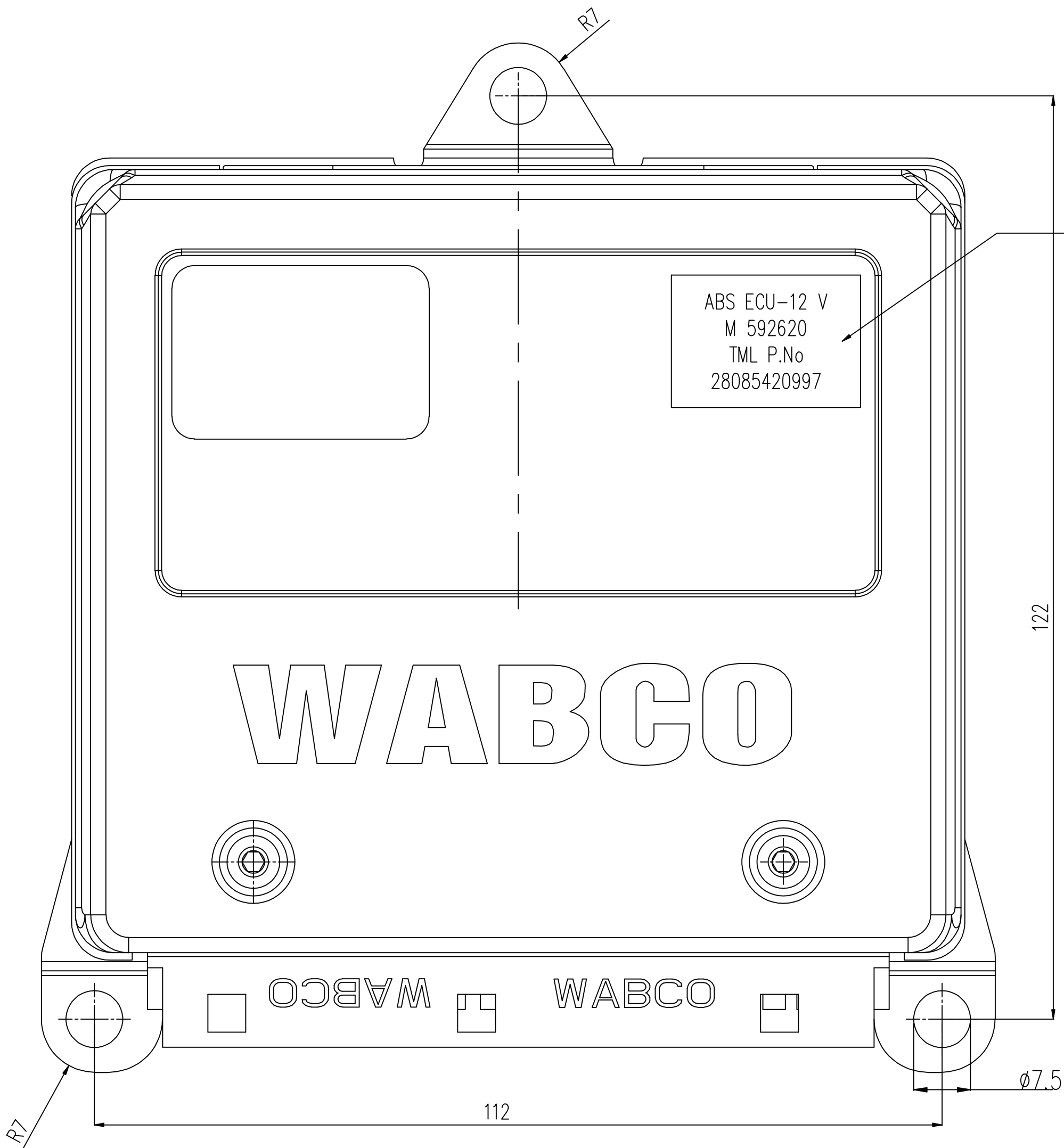
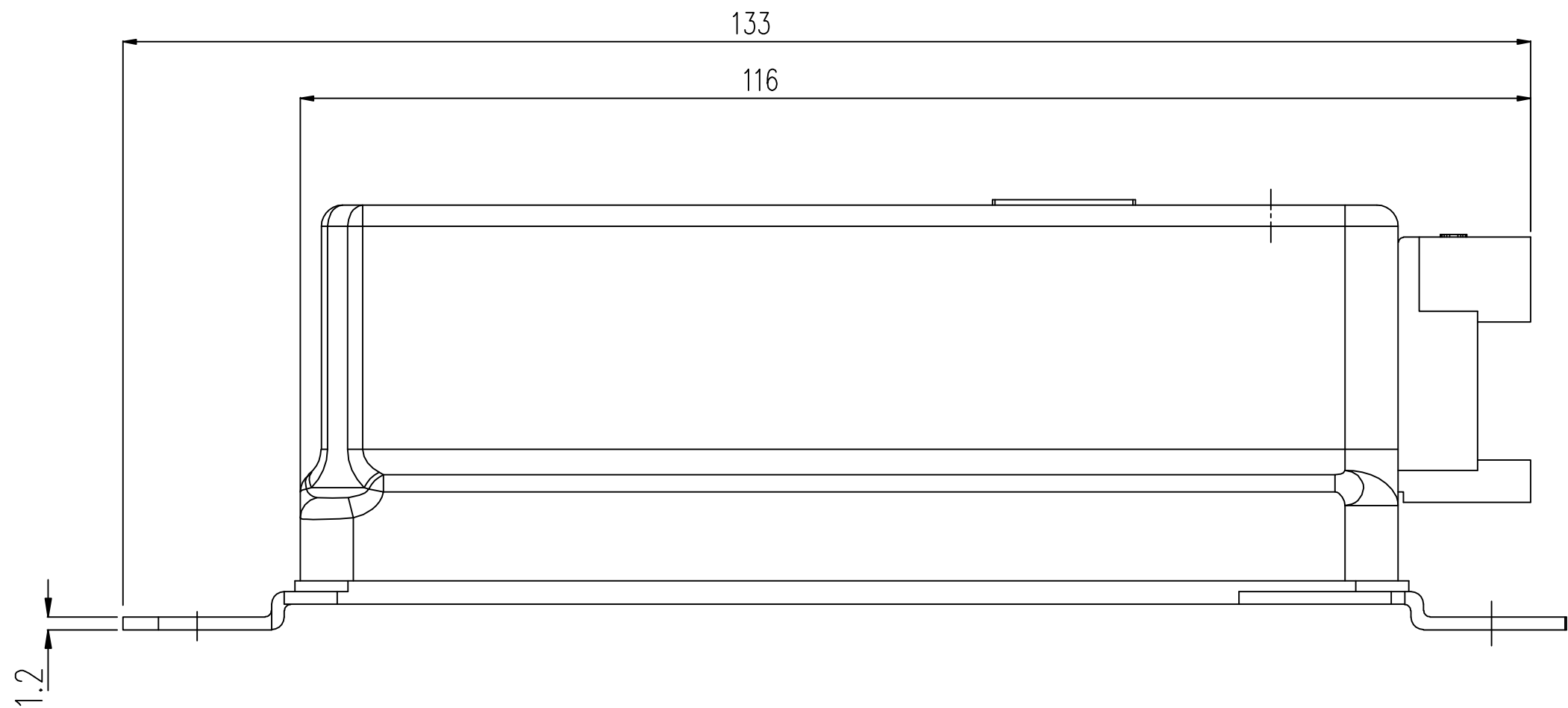
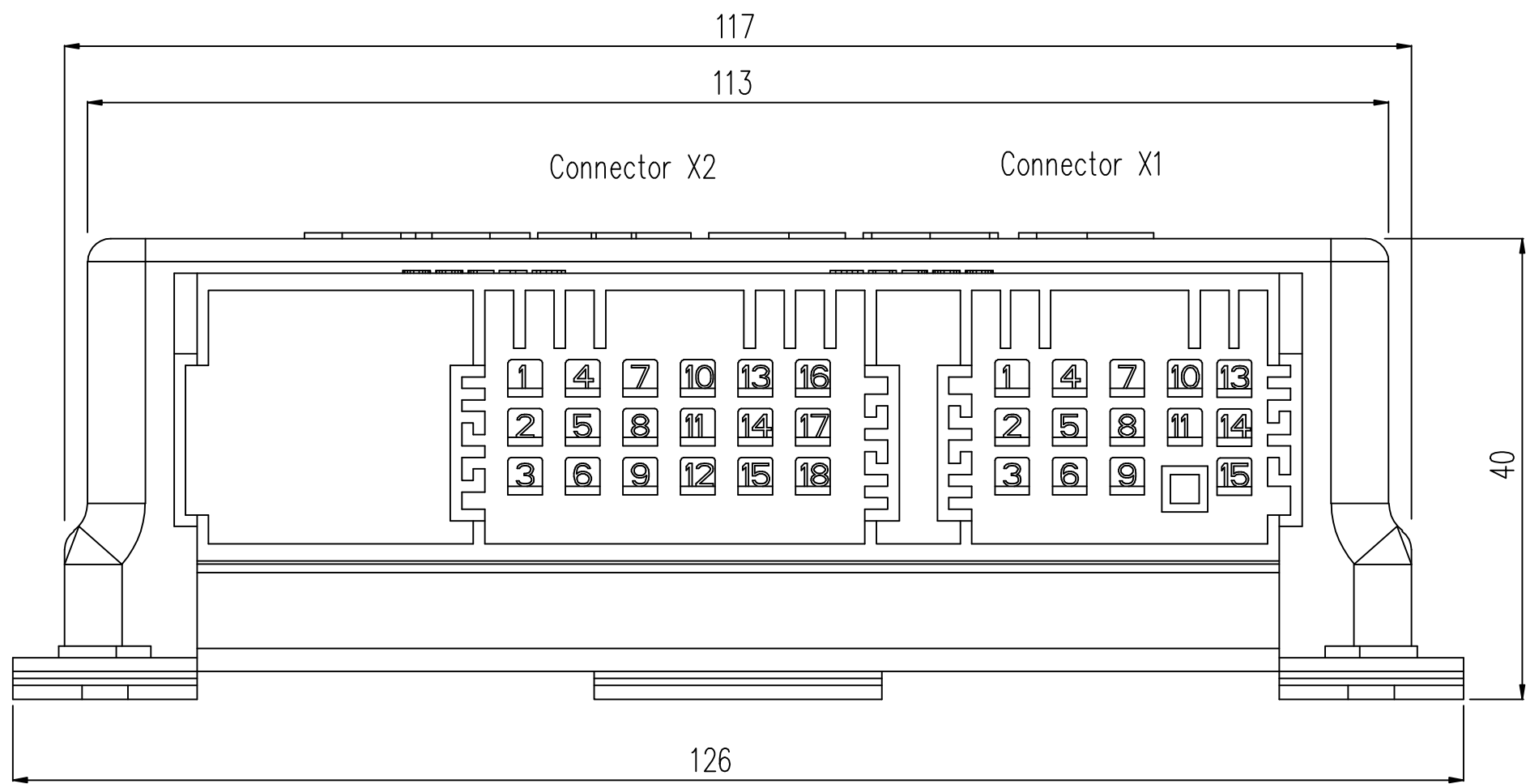


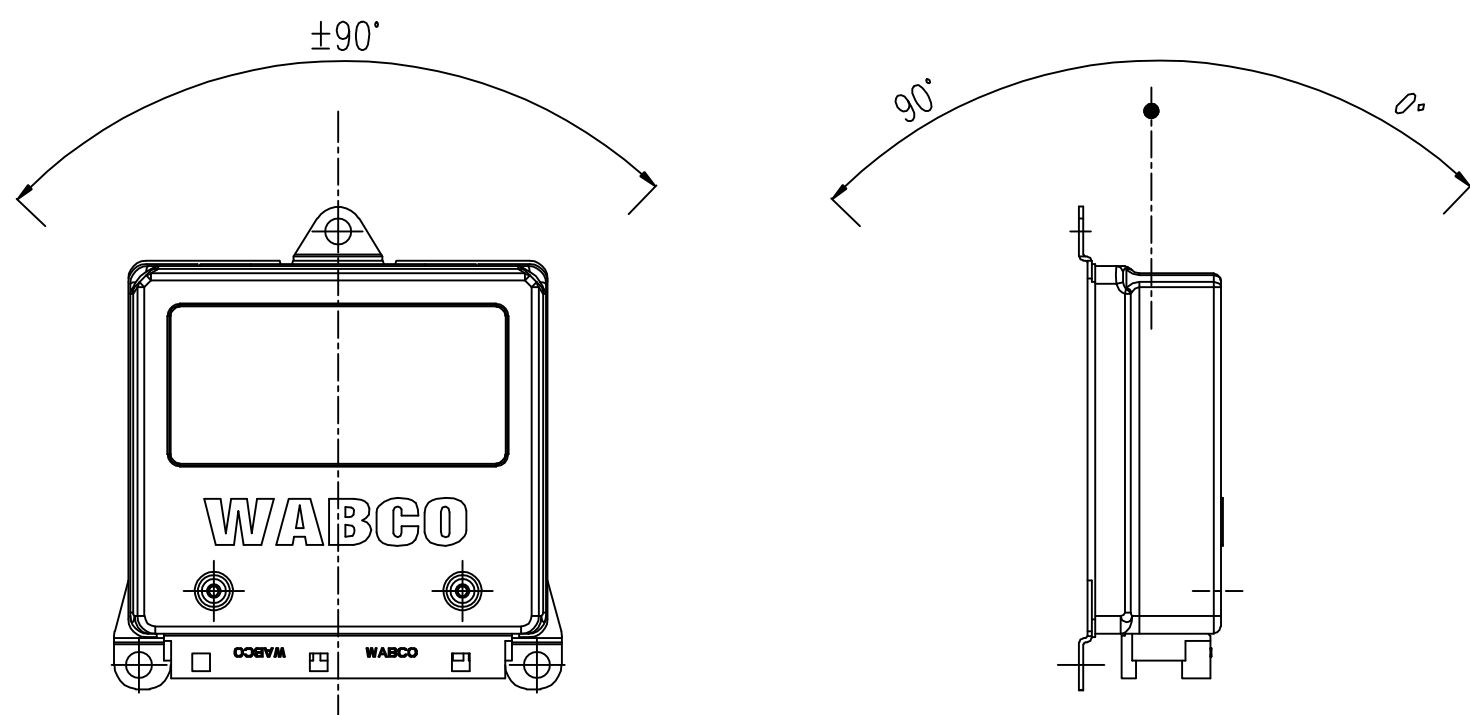
PART No.				GA
M 592620				
ENGINEERING CHANGES				
ECN No.	DATE	REV	SIGN	
10259	06.07.06	New	RBS	
10447	27.10.06	1	RBS	
ECU Part No. added.				
10889	31.01.08	2	RBS	
Drawing pictorially modified inline with label. Drawing redrawn.				
12083	16.03.11	3	RBS	
Drawing template WABCO was WABCO-TVS (India) Ltd.Drawing redrawn.				

DO NOT SCALE IF IN DOUBT ASK



CUSTOMER PART No.  
LABEL SHOWN HERE

INSTALLATION POSITION:



VOLTAGE	: 12V $\pm 4.0$ -3.5 DC
MODE OF PROTECTION	: IP 40 (IEC 529)
THERMAL RANGE OF APPLICATION	: -40°C...+75°C
STORING TEMPERATURE	: -40°C...+100°C
MALE MULTIPoint CONNECTOR	: SURFACE PROTECTION, TINNED
ECU Part Number	: 446 004 621 0

Date	Mod No	SL No	Modification	DO	CHK	APP
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TATA MOTORS PART/DESC : ECU, ABS-E,WABCO

TATA MOTORS PART NO :

● CRITICAL

● MAJOR

NO SYMBOL - MINOR

XVII	STEEL	NO TREATMENT
XVI	CAST IRON	PLATED
XV	STEEL	ZINC-IRON PLATED
XIV	CAST IRON	NO TREATMENT
XIII	ZINC ALLOY	ANODISED
XII	PLASTIC	NO TREATMENT
XI	RUBBER	NO TREATMENT
X	STAINLESS STEEL	NO TREATMENT
IX	BRASS	NO TREATMENT
VIII	ZINC ALLOY	CHROMATED
VII	ALUMINIUM ALLOY	ANODISED
VI	ALUMINIUM ALLOY	CHROMATED
V	CAST IRON	PAINTED
IV	STEEL	POWDER COATED
III	STEEL	PAINTED
II	STEEL	PHOSPHATED
I	STEEL	ZINC PLATED
PART CODE	MATERIAL	SURFACE PROTECTION

	SIGN	DATE	MATERIAL	--
DRN	BSN	13.03.11	ALTERNATE MATERIAL	--
CHD	RBS	13.03.11	SURFACE PROTECTION	REFER TABLE
APD	SN	13.03.11	RAW PART No.	--

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN mm  
REMOVE BURRS AND SHARP EDGES FROM FINISHED PARTS  
ALL DIMENSIONS ARE AFTER SURFACE PROTECTION / TREATMENT  
MALE THREAD TO IS 14962 (Part 3) 6h : 2001  
FEMALE THREAD TO IS 14962 (Part 3) 6H : 2001

GENERAL TOLERANCES					
RANGE OF NOMINAL DIMENSIONS ( ± mm )				ANGLE ( ± ° )	FORCE, POWER, PRESSURE etc., ( ± % )
≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400	3	10
1	2	3	4		

SCALE
2 : 1

ELECTRONIC CONTROL UNIT  
ABS-E BASIC 4S/4M 12V,KWP2000

PART No.  
M 592620  
SHEET 1 OF 3

**WABCO**  
AMBATTUR, CHENNAI - 600058, INDIA



