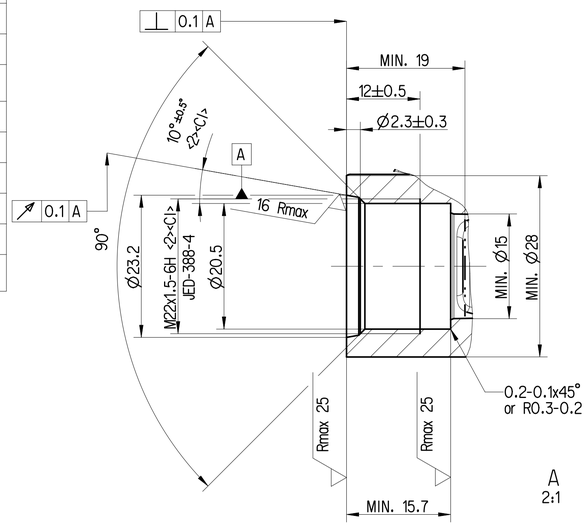
	MATERIAL	SURFACE PROTECTION
I	AL-casting alloy	Anodized
II	PA66GF30	
III	NBR 70IRHD	
IV	Steel	Zinc nickel coating / passivation
V	Steel	Zinc / chrome coating
VI	CuSn6	Tin coating
VII	PA6GF30	
VIII	PA66GF25	
IX	PA6T/6IGF50	
X	Steel	Zinc nickel coating / chrome coating

VALID FOR PORTS 1 AND 2



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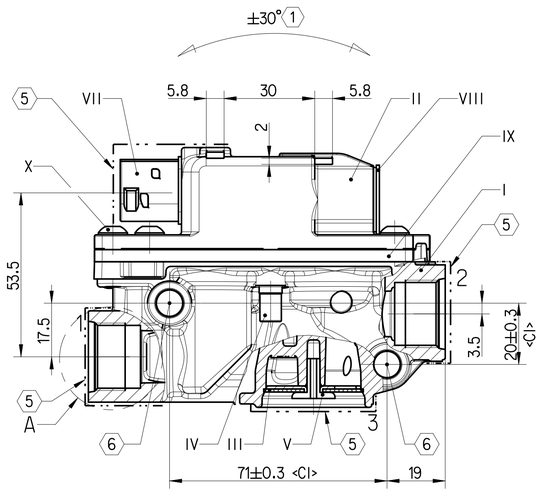

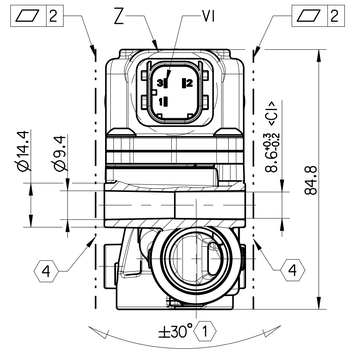

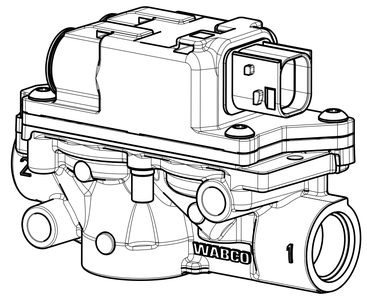

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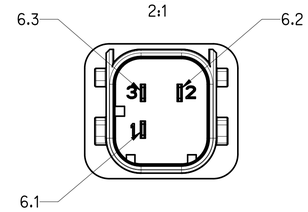
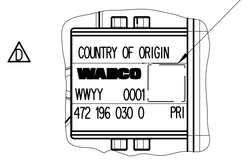
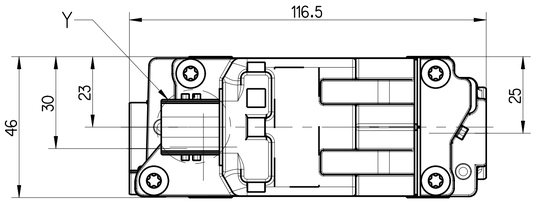
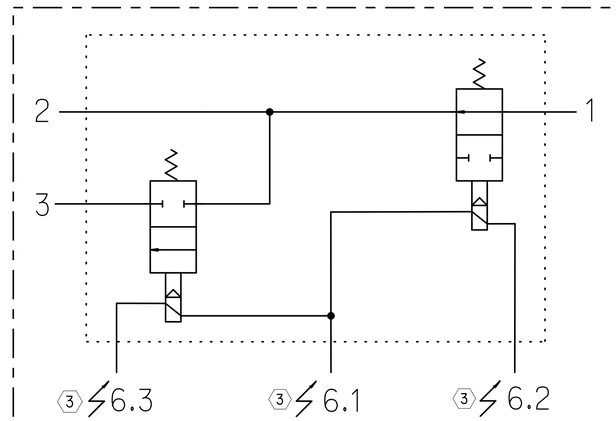




Y
2:1

DATA MATRIX 6x6mm ECC200 ISO-16022 <CI>
NOTE: "COUNTRY OF ORIGIN" (H1,75MM) 1
WABCO LOGO (H1,6MM)
DATE OF MANUFACTURE WWYY (H1,75MM) / CUMULATIVE QUANTITY
WABCO NO. / PRI (H1,75MM)





ELECTRICAL CONTROL (SOLENOID)

6.1 GROUND

6.3 EXHAUST SOLENOID

6.2 INLET SOLENOID

WORKING MEDIUM	COMPRESSED AIR ACC. TO JED-848
AMBIENT MEDIUM	ATMOSPHERE (AIR WITH MINOR TRACES OF WATER, SALTS, DUST AND OIL)
NOMINAL VOLTAGE	U_N = 24 V DC OPERATING VOLTAGE AT 23±5°C 16 ...30 V OPERATING VOLTAGE AT -40°C ...+80°C 17.5 ...28 V
NOMINAL CURRENT NENNSTROM	I_N = 1.56 A
SERVICE CONDITION	DISCONTINOUS SERVICE DUTY CYCLE AT 23±5°C / 24 V 75% / 5 min DUTY CYCLE AT +80°C / 28 V 20% / 5 min
PROTECTION CLASS ACC. TO	ISO 20653
TYPE OF PROTECTION	COMPLETE DEVICE WITH MOUNTED COUPLING: IP 6K6K , IP 6K9K
NOMINAL PRESSURE:	pe = 8 - 10 bar
WORKING PRESSURE	pe = MAX. 13 bar (15%) 11 bar (85%)
MAX. PERMISSIBLE PRESSURE	pe = MAX. 15 bar WITHOUT FUNCTION
THERMAL RANGE OF APPLICATION	-40°C....+80°C
SHORT-TIME RESISTANCE TO HEAT	+110°C [1h] WITHOUT FUNCTION
MIN. FLOW PASSAGE / NOMINAL DIAMETER	PORT 1-2 NW 7mm PORT 2-3 NW 10mm
FOR FURTHER TECHNICAL DATA SEE PRODUCT SPECIFICATION	472 196 030 0

1	ADMISSIBLE INSTALLATION POSITION ±30°
2	TIGHTENING TORQUE ACC. TO JED-366 max 53 Nm
3	IN CASE OF DISSASSEMBLING OF THE WIRE A REST OF VOLTAGE DUE TO A STORED ENERGY IN THE COIL CAN OCCUR BETWEEN THE CONNECTOR CONTACTS
4	CONTACT SURFACE CUSTOMER
5	COVER WHEN PAINTING ON THE VEHICLE
6	TORQE FOR MOUNTING TO FRAME 22±2 Nm

<CI> CUSTOMER INTERFACE	6	DRAWING DESIGN: 4-pole (2,8mm) HDSCS connector Tyco: C-114-18739-1 Coding A (3 poles used) WABCO Interface Drawing: 858 000 852 4 index D1 <CI>
		MATCHED WITH: 1-1418390-1

General Specification: ISO 8015, JED-334-1, Size ISO 14405 LP
Further Technical Data:
Doc. Code: Sheet: To
General Tolerances JED-261

Class 1)	Range of nominal dimensions in mm ≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400	
Fine	±0.5	±1	±1.5	±2	
Medium	±1	±2	±3	±4	±3°
Coarse	±2	±3.5	±5	±6.5	
Tapped Holes acc.					

1) Tolerance Class Applied Crossmarked

Copyright ZF®

Date	Signature
Drawn	
2026-03-05	Zhang
Checked	
2026-03-05	Bialon

Dimensions in mm

SOLENOID MODULTOR VALVE, ABS

Mass	Scale	Material No.	Date of first issue: 2016-06-09		
0.51 kg	1:1 (2:1)	472 196 030 0	Doc.Code	Language	Sheet
Size	CAD System		005	EN	1/1
A 1	CREO	ECN-No. 520699 / Revision 2x D / Techn. Resp. 6330_SV / Replacement for			

dm_472196030_005 / Version: 3 / date: 19/04/2026 _ 330

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