

Electric Drives
and Controls

Hydraulics

Linear Motion and
Assembly Technologies

Pneumatics

Service

Rexroth
Bosch Group

4/3-, 4/2-, and 3/2-way directional valves with mechanical, manual and fluidic actuation, sea water resistant

RE 22331-M/10.07 1/2
Replaces: 09.00

Types WM. 10...J, WHD 10..J, WP 10...J; component series 3X

Features of the sea water resistant version

When compared to the standard version the following modifications have been carried out:

- The external metal components have been zinc galvanised (housing and cover) are made from a non-rusting material or nito-carbonised and oxidised.
- Sea water resistance is identified by the code „J“ in the ordering code.

Note:

Valve fixing screws must be ordered in clear text separately:

4 socket head cap screws DIN 912 M6 -10.9 A3C or NEL¹⁾, $M_A = 15,5 \text{ Nm}$; length details as required.

¹⁾ The code „NEL“ stands for „non-electrolytically applied zinc coatings“ which contain a lubrication additive for the reduction of friction in accordance with ISO/WD 10683. Colour: silver.

Further information can be obtained from the standard documentation RE 22331.

Ordering details

		10	3X	/	/	J		*
3 service ports	= 3							Further details in clear text
4 service ports	= 4							Seal material
Mechanical, manual actuation								No code = NBR-seals
Roller/plunger	= WMR							V = FKM-seals
Roller/plunger	= WMU							No code = Without cartridge throttle
Hand lever	= WMM							B05 = Throttle-Ø 0,5 mm
Rotary knob	= WMD							B08 = Throttle-Ø 0,8 mm
(control pressure 1,5 to 6 bar)								B10 = Throttle-Ø 1,0 mm
Hydraulic	= WHD							B12 = Throttle-Ø 1,2 mm
Pneumatic	= WP							J = Sea water resistant
Nominal size 10	= 10							No code = With spring return
Symbols, e.g. A, C, D, E, EA ect. ²⁾								O = Without spring return
Component series 30 to 39 (30 to 39: unchanged installation and connection dimensions)	= 3X							F = With detent
								OF = Without spring return, with detent

²⁾ Also see standard documentation pages 2 and 3

For preferred types, see page 2

Preferred types

Type	Material no.	Typ	Material no.
3WMR 10 A3X/J	R900515641	4WMM 10 H3X/J	R900593978
3WMM 10 A3X/J	R900503331	4WMM 10 JB3X/FJ/V	R900564656
4WMR 10 C3X/J	R900591757	4WMM 10 JB3X/J	R900500958
4WMR 10 D3X/J	R900598894	4WMM 10 J3X/FJ	R900591532
4WMR 10 EA3X/J	R900933681	4WMM 10 J3X/J	R900587836
4WMR 10 E3X/J	R900504041	4WMM 10 J3X/J/B10	R900527921
4WMR 10 X5A3X/J	R900502099	4WMM 10 J3X/J/V	R900538002
4WMM 10 D3X/J	R900518563	4WMM 10 M3X/J	R900520773
3WMM 10 A3X/FJ	R900520311	4WMM 10 Q3X/J	R900511883
3WMM 10 B3X/FJ	R900902862	4WMM 10 RB3X/FJ	R900553074
4WMM 10 C3X/FJ	R900568556	4WMM 10 U12-3X/FJ	R900514986
4WMM 10 C3X/J	R900500959	4WMM 10 U3X/FJ	R900503127
4WMM 10 D3X/FJ	R900597683	4WMM 10 V3X/J	R900953321
4WMM 10 D3X/FJ/B10	R900520319	4WMM 10 W13-3X/J	R900590054
4WMM 10 D3X/FJ/B12	R900536574	4WMM 10 W14-3X/J	R900590612
4WMM 10 D3X/J	R900590991	4WMM 10 W20-3X/J	R900595971
4WMM 10 D3X/J/B10	R900595039	4WMM 10 W3X/J	R900500957
4WMM 10 EA3X/FJ	R900517088	4WMM 10 W30-3X/J	R900920102
4WMM 10 EA3X/J	R900510261	4WMM 10 X40-3X/J	R900517263
4WMM 10 E3X/FJ	R900586935	4WMM 10 Y3X/FJ	R900521854
4WMM 10 E3X/FJ/B08	R900529346	4WMD 10 E12-3X/FJ	R900505142
4WMM 10 E3X/FJ/V	R900564177	4WMD 10 E3X/FJ	R900522141
4WMM 10 E3X/J	R900597682	4WP 10 EB3X/J	R900933610
4WMM 10 E3X/J/T06	R900957108	3WHD 10 A3X/J	R900593648
4WMM 10 E3X/J/V	R900920756	4WHD 10 D3X/J	R900501283
4WMM 10 F3X/FJ	R900598893	4WHD 10 D3X/OFJ	R900513436
4WMM 10 F3X/J	R900925816	4WHD 10 EA3X/J	R900514108
4WMM 10 GA3X/FJ	R900579919	4WHD 10 E3X/J	R900505716
4WMM 10 G3X/FJ	R900520313	4WHD 10 G3X/J	R900573537
4WMM 10 G3X/J	R900599975	4WHD 10 J3X/J	R900510389
4WMM 10 G3X/J/B05	R900536575		

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