5 Port Solenoid Valve Body Ported/Single Unit SY3000/5000/7000/9000 Series

Note) 2-position double and manual override with locking function (D, E type) are excluded, because they don't

How to Order comply with safety standard. SY 5 1 20 5 01 Series Bracket 3 SY3000 Nil: Without bracket A, B port size 5 SY5000 F1: With foot bracket Thread piping 7 SY7000 / 2 position Coil specifications Applicable series 9 Symbol Port size single only SY9000 M5 M5 x 0.8 SY3000 Nil Standard 01 SY5000 With power saving circuit 1⁄8 Type of actuation т (24, 12 VDC only) 02 SY7000 1/4 2 position single 02 1/4 Power saving circuit is not SY9000 03 3⁄8 available in the case of D, DO, 1 Y, YO or W□ type. One-touch fitting (Metric size) F2: With side bracket (EA) 5 1 3 (EB) (P) Symbol Port size Applicable series 3 position closed center C4 One-touch fitting for ø4 For DC SY3000 C6 One-touch fitting for ø6 3 5 24 VDC C4 One-touch fitting for ø4 12 VDC 6 (EA) 5 1 3 (EB) (P) C6 One-touch fitting for ø6 SY5000 v 6 VDC C8 One-touch fitting for ø8 3 position exhaust center S 5 VDC C8 One-touch fitting for ø8 SY9000 has no bracket. SY7000 R 3 VDC Rated voltage C10 One-touch fitting for ø10 4 C8 One-touch fitting for ø8 For AC (5% Hz) Thread type (EA) 5 1 3 (EB) (P) 100 VAC C10 One-touch fitting for ø10 SY9000 1 Nil Rc 3 position pressure center C12 One-touch fitting for ø12 2 200 VAC F G (A) 4 2 (B) 110 VAC [115 VAC] 3 NPT One-touch fitting (Inch size) Ν 5 220 VAC [230 VAC] 4 т NPTF Symbol Port size Applicable series (EA) 5 1 3 (EB) * Except for M5 N3 One-touch fitting for ø 5/32" * DC specifications of type D, Y, DO and YO SY3000 N7 One-touch fitting for ø 1/4" is only available with 12 and 24 VDC. * For type WD, DC voltage is only available. N3 One-touch fitting for ø 5/32 Made to Order Note) AC-type models that are CE-compliant N7 One-touch fitting for ø 1/4" SY5000 Nil have DIN terminals only. N9 One-touch fitting for ø 5/16" X20 Body ported external pilot N9 One-touch fitting for ø 5/16" **X90** Main valve fluoro rubber SY7000 N11 One-touch fitting for ø 3/8' Electrical entry N9 One-touch fitting for ø 5/16" SY9000 CE-compliant • 24, 12 VDC/ 100, 110, 200, 220 VAC N11 One-touch fitting for ø 3/8 24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC Nil Grommet | L plug connector M plug connector **DIN** terminal Q **CE-compliant** M: With lead wire MN: Without lead G: Lead wire L: With lead wire D. Y: With connecto Manual override length 300 mr (Length 300 mm) Note) AC-type models that are (Length 300 mm) Nil: Non-locking CE-compliant have DIN push type terminals only. LN: Without lead LO: Without MO: Without DO. YO: Without H: Lead wire length 600 mm connecto connector connecto wire 24, 12 VDC 6, 5, 3 VDC Light/Surge voltage suppressor Electrical entry for G, H, L, M, W Electrical entry for D, Y M8 connector Nil Without light/surge voltage suppressor WO: Without Nil Without light/surge voltage suppressor WAO: Without connector cable connector cable With surge voltage suppressor S With surge voltage suppressor S z With light/surge voltage suppressor (Non-polar type) With surge voltage suppressor (Non-polar type) R With light/surge voltage suppressor z (Non-polar type) υ With light/surge voltage suppressor (Non-polar type) WAD: With connecto W : With conn * For AC voltage valves there is no "S" option. * DOZ and YOZ are not available. It is already built-in to the rectifier circuit. For AC voltage valves there is no For "R" and "U", DC voltage is only available. "S" option. It is already built-in to * Power saving circuit is only available in the "Z" type. the rectifier circuit.

SMC validation products have been validated based on ISO 13849-2: 2012 Annex A, B & D.



5 Port Solenoid Valve Base Mounted/Single Unit SY3000/5000/7000/9000 Series

Note) 2-position double and manual override with locking function (D, E type) are excluded, because they don't

comply with safety standard.

SY 5 1 40 5 Series Port size 3 SY3000 Thread type Port size Symbol Applicable series 5 SY5000 Rc Nil Nil Without sub-plate 7 SY7000 F G 1/9 9 SY9000 01 NPT SY3000 Ν With sub-plate NPTF т 1/4 SY5000 02 Type of actuation With sub-plate SY7000 2 position single (A)4 2(B) Made to Order SY7000 3/8 03 With sub-plate SY9000 Nil 1 $1/_{2}$ Main valve 04 SY9000 X90 (EA)5 1 3(EB) (P) With sub-plate fluororubber 3 position closed center (A)4 2(B) Manual override CE-compliant 3 Nil: Non-locking Nil (EA)5 1 3(EB) push type Q CE-compliant 3 position exhaust center Note) AC-type models (A)4 2(B) that are CE-4 compliant have DIN (EA)5 1 3(EB) (P) terminals only. 3 position pressure center (A)4 2(B) 5 (EA)5 1 3(EB) (P) Light/Surge voltage suppressor Electrical entry for G, H, L, M, W Electrical entry for D, Y Pilot type Nil Without light/surge voltage suppressor Nil Without light/surge voltage suppressor Nil Internal pilot With surge voltage suppressor S With surge voltage suppressor (Non-polar type) S With light/surge voltage suppressor R External pilot* Ζ z With light/surge voltage suppressor (Non-polar type) * External pilot specifications R With surge voltage suppressor (Non-polar type) * DOZ and YOZ are not available. for SY3000 DIN terminal are U With light/surge voltage suppressor (Non-polar type) * For AC voltage valves there is no "S" not available. option. It is already built-in to the rectifier For AC voltage valves there is no "S" option. It is circuit. already built-in to the rectifier circuit. For "R" and "U", DC voltage is only available. Coil specifications * Power saving circuit is only available in the "Z" type. Nil Standard With power saving circuit т (24, 12 VDC only) Electrical entry * Power saving circuit is not available in the 24, 12 VDC/ 100, 110, 200, 220 VAC 24, 12, 6, 5, 3 VDC / 100, 110, 200, 220 VAC 24, 12, 6, 5, 3 VDC case of D, Y, DO, YO or W□ type. Grommet M plug connector M8 connector L plug connector DIN terminal G: Lead wire L: With lead wire M: With lead wire MN: Without lead D. Y: With connecto WO: Without WAO: Without Rated voltage length 300 mm (Length 300 mm) (Length 300 mm) connector cable connector cable wire For DC 24 VDC 5 12 VDC 6 ۷ 6 VDC []¥ s 5 VDC R 3 VDC H: Lead wire LN: Without lead LO: Without MO: Without DO. YO: Without W□: With connector WAD: With connector length 600 mm connecto connecto For AC (50/60 Hz) wire connector cable cable 1 100 VAC 200 VAC 2 110 VAC [115 VAC] 3 4 220 VAC [230 VAC] * DC specifications of type D, Y, DO and YO is only available with 12 and 24 VDC. * For type $W\Box$, DC voltage is only available.

How to Order

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Note) The DIN terminal of the SY3000 series cannot be mounted on a standard manifold.

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