

Technical Specification of Spares

Sr No.	Part Description	Specification	Qty.
1	Proximity Switch	PNP SMT, Volt : 5---30V DC , Max : 100mA, Max: 2.8watt, M8, Max : 0.3 Nm Material No: 574334 , Series : 04-2021: 13 Sensor along with minimum 0.5 meter cable Model : 8M-A-PS-24V-E-0,3-M8D Make : Festo or exact equivalent in electrical and mechanical parameter	3 nos.
2	Reflex Sensor	Distance detection : 60--- 600mm Ub: 10---36V DC , 1A, Sensor along with minimum 2 meter Cable Model : LTV 18M 600 P4K -1BSL Make : Di Soric or exact equivalent in electrical and mechanical parameter	2 nos.
3	Capacitive Proximity Switch	Volt - 10-30VDC, bue/f1 , Sn – 3mm, Sensor along with minimum 1.5 meter cable Model - SC3 – M12MB80-DPS-V2 Make - PULSOTRONIC or exact equivalent in electrical and mechanical parameter	3 nos.
4	Inductive Proximity Switch	Sensor along with meter Cable (2006565) 35/20, along with minimum 1 meter cable Model - KJ4 – Q12KN – DPS – V1 Make - PULSOTRONIC or exact equivalent in electrical and mechanical parameter	2 nos.
5	Solenoid Valve	Material No. 9982, Series L 623 1,8 – 8 bar , Psi - 24 ----- 120 Psi Model - MF H 5 – 1/8, Make - Festo or exact equivalent in electrical and mechanical parameter	5 nos.
6	Magnet Coil	Magnetic Coil -Volt - 24 Volt DC 4.5 Watt , 42 Volt AC 50/60 Hz, 9/7 VA IP00/65, Model – MSFG – 24/42 – 50/60 4527, Make - Festo or exact equivalent in electrical and mechanical parameter Magnetic coil use for Solenoid Valve Model - MF H 5 – 1/8,	5 nos.

7	One way flow Control Valve	Size : 2 mm ID Make - Festo or exact equivalent in mechanical parameter	6 nos.
8	Pressure Regulator	Mat. No. 8086004 Series : N4, along with minimum 1 meter cable Model - VRPA – CM – Q6 – E , Make – Festo or exact equivalent in mechanical parameter.	3 nos.
9	Pressure Switch	PNP SDE5 – V1-O-Q4E-P-M8 R-R-FTO-KC-2018-1036 Ub – 15.....30VDC, P-0.....-0.1 Mpa, 52746 062021:13 , along with 1.5 meter cable Model - 49YDB, Make – Festo or exact equivalent in electrical and mechanical parameter	3 nos.
10	Standard Socket	Volt - 250 V, 7 Amp ISVR405651R3000 Model - CR – M4S Make – ABB or exact equivalent in electrical and mechanical parameter	2 nos.
11	Power Supply (Power Pack)	Dimension 182790 , N UI LISTED 182790 QS 10.241 Power Supply Input – AC 100 – 240 V (+ - 15 %) 2.8 – 1.2 A , 50 – 60 Hz , DC 100 – 300 V (- 20 % + 25 %) 2.4 – 0.9 A , Output – DC 24 – 28 V , 10 – 9 A , Continuous , DC 24 – 28 V , 15 – 13.5 A , For 4 Seconds Model - QS 10.241 Make: Puls or exact equivalent in electrical and mechanical parameter	1 no.
12	Motor cooling Fan	24 VDC,92 mA 2W, (12 - 28) V DC, 8374, Make Ebmpapst or equivalent	2 nos.
13	Motor with Encoder	Encoder – Incremental shaft encoder, Make - Hengstler Type RI 32, Item no. 2527049, mounting round flange , along with minimum 1.5 meter cable, shaft dia. 5mm-6mm, max speed 6000rpm, power consumption- 5v/40mA- 24v/30mA(10....30V)- 10v/60mA(10...30V), Supply voltage UB(SELV) – 5VDC+-10%, 10....30VDC, Model - RI 32, Motor - AHP 24 VDC,0 390 202 600 Make – BOSCH or exact equivalent in electrical & mechanical parameter	1 no.
14	Digital input module 8 channel	DEM 730.10, V09 SW, 2.28 KW , 41 / 2016 , ME 22, 5 OT – MSTBO Model - PLM 730 Make – SABO or exact equivalent in electrical and mechanical parameter	3 nos.

15	Digital Output module 8 channel	DAM 730.10, V04 SW : V 11 B 630 - 0000, ME 22, 5 UTRTBUS Model - PLM 730, Make – SABO or exact equivalent in electrical and mechanical parameter	3 nos.
16	Digital Output module 24 V (Digital Counter)	AAM 730.10, D1 V 03 SW 3.6A, 1320 - Model - PLM 730 Make – SABO or exact equivalent in electrical and mechanical parameter	2 nos.
17	Analog Output assembly	DEM 730.30 DEM 730.30 D 1 V- 02, SW 2.18 A, 1315 ----0000 Model - PLM 730 Make – SABO or exact equivalent in electrical and mechanical parameter	2 nos.
18	Positioning module for DC Motor up to 24 V / 3 A	POM 730.13 DEM 730.13 V- 02, SW 3.7 A , 1221 ----0000 Model - PLM 730 Make – SABO or exact equivalent in electrical and mechanical parameter	1 no.

Terms and Conditions: -

1. The firm will have to attach detail product catalogue and specify the type no./part no./ model no. with exact make offered along with detail technical specification for technical evaluation.
2. For line item 1 to 13 the firm should ensure that the offered item should be equivalent in all aspects to our existing one and suitable for direct replacement without any modification with respect to Electrical & Mechanical parameter, dimension, mounting and contact connection etc. The specification are made with the available details with SPM , if the firm offers other make/model than the offered product should be exact equivalent & directly replaceable and the firm will have to install the product on machine free of cost and provide ON load trial after successful installation on the machine.
3. For line item 14 to 18, if the firm offers other make/model than existing SABO make then firm will have to complete the Installation, Testing & both Hardware and Software Integration with existing program of the machine free of cost. The firm must have to give ON load trial after successful installation on the machine. In case the supplied product does not work, the firm will have to ensure to put the machine into original working condition.
4. Before participating in bidding, the interested bidders may visit SPM with prior intimation and approval of appropriate authority, to understand the requirement.