

M001000X

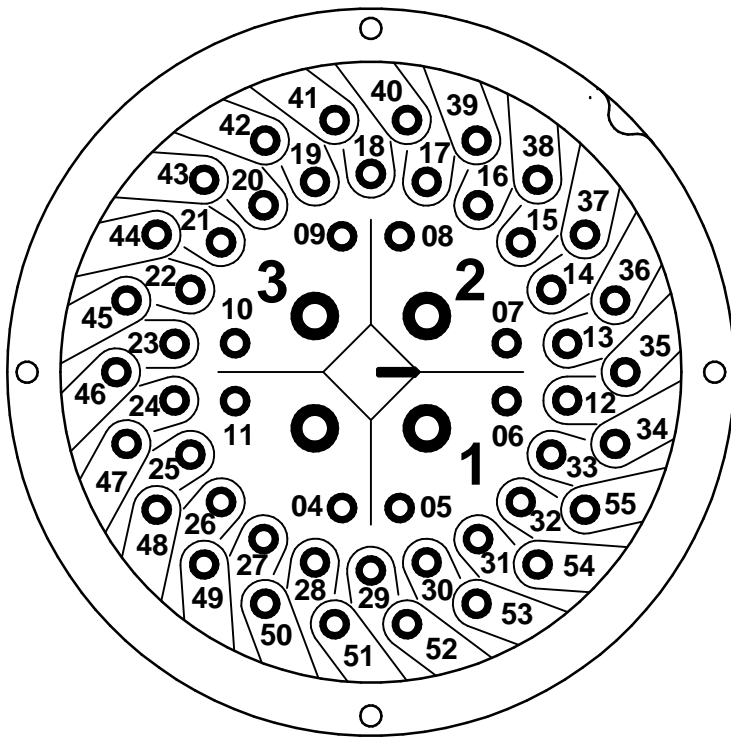
**PLUG-AND-SOCKET CONNECTOR LAYOUT**

**LEGENDS:**

- M1** ELECTRIC MOTOR
- CTS** CLOSE TORQUE SWITCH
- OTS** OPEN TORQUE SWITCH
- CLS** CLOSE LIMIT SWITCH
- OLS** OPEN LIMIT SWITCH
- TRM** THERMAL PROTECTION DEVICE (MOTOR WIND).
- HT** ANTI-CONDENSATION HEATER
- BLK** BLINKER SWITCH
- POT** POTENTIOMETER (VALVE POSITION SIGNAL)
- CPT** CURRENT POSITION TRANSMITTER (VALVE POSITION SIGNAL)
- ACTS** AUXILIARY CLOSE TORQUE SWITCH
- AOTS** AUXILIARY OPEN TORQUE SWITCH
- ACLS** AUXILIARY CLOSE LIMIT SWITCH
- AOLS** AUXILIARY OPEN LIMIT SWITCH
- IP1** VALVE MIDDLE TRAVEL POSITION SWITCH(No 1)
- IP2** VALVE MIDDLE TRAVEL POSITION SWITCH(No 2)
- IP3** VALVE MIDDLE TRAVEL POSITION SWITCH(No 3)
- IP4** VALVE MIDDLE TRAVEL POSITION SWITCH(No 4)
- DSM** DIGITAL SWITCH MECHANISM(ELECTRONIC VALVE POSITION AND TORQUE SIGNALS)

**NOTES:**

1. THE TERMINAL PLAN SHOWS THE MULTI-TURN ELECTRIC ACTUATOR IN INTERMEDIATE POSITION, ACTUATOR CLOSES VALVE CLOCKWISE.
2. SEE ACTUATOR USER MANUAL AND DATASHEETS FOR TECHNICAL DATA, PARAMETERS AND DESCRIPTION OF THE ACTUATOR ELECTRIC AND ELECTRONIC EQUIPMENT.
3. IF THE ACTUATOR IS CONFIGURED TO BYPASS THE MOTOR PROTECTION THERMOSTAT (TRM), THE ACTUATOR WILL NO LONGER COMPLY WITH THE ESSENTIAL SAFETY REQUIREMENTS.
4. THE USER MUST FIT A CLASS 10 OVERLOAD RELAY. THE RELAY MUST BE SIZED ACCORDING TO THE OVERCURRENT PROT. DEVICE SETTING VALUE FOR THE MOTOR.
5. REFER TO THE MOTOR DATA SHEET FOR THIS VALUE. THE OVERLOAD RELAY MUST BE SIZED TO ENSURE THAT IT TRIPS WITHIN 10 SECONDS IN A FAULT CONDITION.
6. THE USER MUST COMPLETE A RISK ASSESSMENT AND IMPLEMENT WHATEVER MEASURES ARE REQUIRED TO ENSURE THAT THE RESULTANT SYSTEM COMPLIES WITH ALL APPLICABLE LEGISLATION.



PARAMETER	VALUE	DESCRIPTION
TYPE	M	MULTI-TURN ELECTRIC ACTUATOR, STANDARD UNIT (SYNCRONSET), MECHANICAL SWITCH MECH
MAIN POWER SUPPLY	0	A.C. THREE PHASE
FEEDBACK ANALOG POS. SIG.	0	STANDARD: NOT INCLUDED (WITHOUT)
HEATER	1	ANTI-CONDENSATION HEATER, 24 VDC
LIMIT SWITCHES	0	STANDARD: 1 OPEN AND 1 CLOSE LIMIT SWITCHES (OPOT)
TORQUE SWITCHES	0	STANDARD: 1 OPEN AND 1 CLOSE TORQUE SWITCHES (OPT)
AUX. MIDDLE TRAVEL SWITCH	0	STANDARD: NOT INCLUDED (WITHOUT)

ISSUE	DATE	ISSUE	DATE
1	FIRST PRODUCTION RELEASE 11-05-15	2	REDRAWN IN SOLID EDGE 19-07-16
2	CTS (CLOSE BY TORQUE SWITCHING) 11-05-15		

SHEET 1/2	DATE	SIGN.	<b>TERMINAL PLAN</b> WD CK-CKR STD, MSM, 3PH, NOCPT, HT24V, LIM, TOR, NOIMP	This drawing and the information it contains are property of Rotork Controls Limited, and they will not be reproduced or disclosed, in whole or in part, without the prior written consent of Rotork.
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APPROVED	10/05/2015	JAP		

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