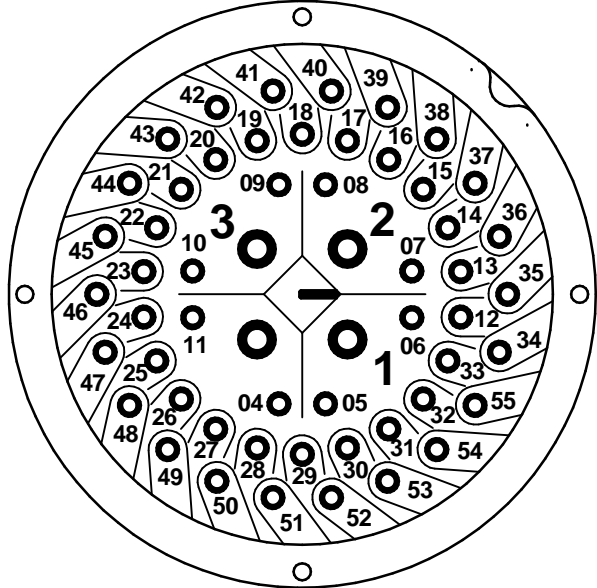


TOE00020

PLUG-AND-SOCKET CONNECTOR LAYOUT



LEGENDS:

- M1** ELECTRIC MOTOR
- R1** RELAY OUTPUT No1 (SETTABLE)
- R2** RELAY OUTPUT No2 (SETTABLE)
- R3** RELAY OUTPUT No3 (SETTABLE)
- R4** RELAY OUTPUT No4 (SETTABLE)
- R5** RELAY OUTPUT No5 (SETTABLE)
- R6** RELAY OUTPUT No6 (SETTABLE)
- R7** RELAY OUTPUT No7 (SETTABLE)
- R8** RELAY OUTPUT No8 (SETTABLE)
- R9** RELAY OUTPUT No9 (SETTABLE)
- R10** RELAY OUTPUT No10 (SETTABLE)
- R11** RELAY OUTPUT No11 (SETTABLE)
- R12** RELAY OUTPUT No12 (SETTABLE)
- CS** CUSTOMER SUPPLY
- BS** BACKUP SUPPLY
- POSITIONER** POSITIONER IN/OUT ANALOG SIGNAL
- POSITIONER.LP** POSITIONER IN/OUT ANALOG SIGNAL. LOOP POWER
- MONIT.** MONITOR RELAY
- FIELDBUS** FIELDBUS CARD
- REMOTE** REMOTE INPUT CARDS
- ACTS** AUXILIARY CLOSE TORQUE SWITCH
- AOTS** AUXILIARY OPEN TORQUE SWITCH
- ACLS** AUXILIARY CLOSE LIMIT SWITCH
- AOLS** AUXILIARY OPEN LIMIT SWITCH
- CPT.LP** CURRENT POSITION TRANSMITTER, LOOP POWER
- 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)

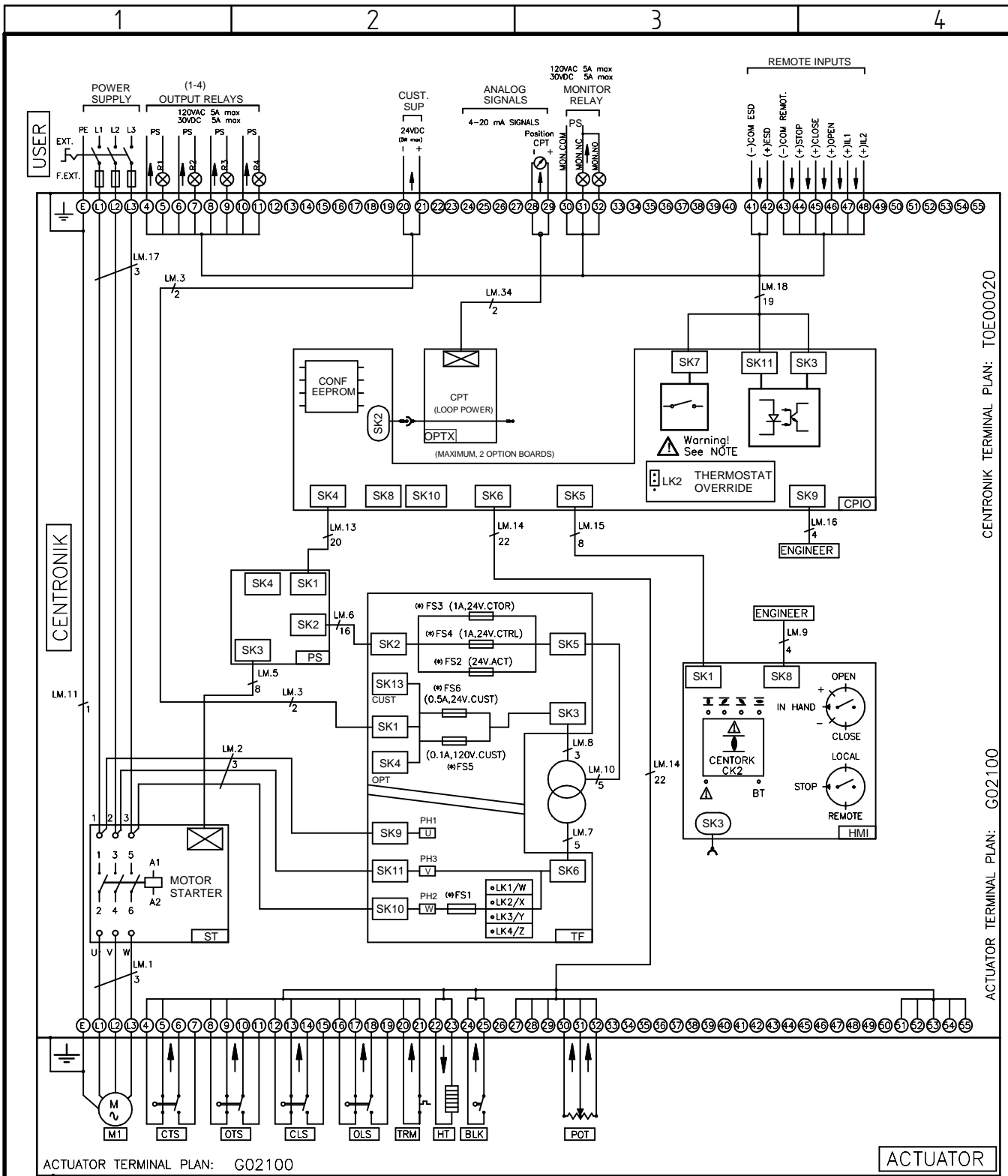
NOTES:

1. THE TERMINAL PLAN SHOWS THE QUARTER-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 AN 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	T	QUARTER-TURN ELECTRIC ACTUATOR, WITH CENTRONIK (MECHANICAL SWITCH MECH)
MAIN POWER SUPPLY	0	A.C. THREE PHASE
EXTRA CARD No 1	E	CPT (POSITION) ANALOG OUTPUT-LOOP POWERED-
EXTRA CARD No2	0	NO (WITHOUT)
MOTOR STARTER	0	REVERSIBLE CONTACTORS (STANDARD)
CUSTOMER SUPPLY & BLUETOOTH	0	24VDC±20% AT MAX.POW.OUTPUT SW.
BACKUP SUPPLY & HEATER	2	NO BACKUP SUPPLY, HEATER INCLUDED
EXTRA SWITCH	0	STANDARD: WITHOUT

ISSUE	DESCRIPTION	DATE	ISSUE	DESCRIPTION	DATE
1	FIRST PRODUCTION RELEASE	20-06-17			

SHEET 1/2	DATE	SIGN.	TERMINAL PLAN WD CKQC CTK, MSM, 3PH, CPTLP, NOEX2, CTOR, ES24-IR, NOBK-HT, NOEXT		FORMAT	DRAWING N°
MADE BY	8/21/2021	MAHI			A4	TOE00020 - 1
CHECKED	8/21/2021	DAB				
APPROVED	8/21/2021	DAB				



ACTUATOR TERMINAL PLAN: G02100

ACTUATOR

⚠️ WARNING: REFER TO SAFE USE AND INSTALLATION MANUAL FOR APPROVED FUSES.

FS1: ACCORDING TO THE POWER SUPPLY VOLTAGE
 110VAC/115VAC: FS1 (0,5 A)
 ANY OTHER VOLTAGE: FS1 (0,25 A)

THE TERMINAL PLAN SHOWS THE QUARTER-TURN ELECTRIC ACTUATOR IN INTERMEDIATE POSITION, ACTUATOR CLOSES VALVE CLOCKWISE. REFER TO SAFE USE AND INSTALLATION MANUAL AND DATASHEETS FOR TECH. DATA, PARAMETERS AND DESCRIPTION OF THE ACTUATOR ELECTRIC AND ELECTRONIC EQUIPMENT. IF THE ACTUATOR IS CONFIGURED TO BYPASS THE MOTOR PROTECTION THERMOSTAT (TRM), THE ACTUATOR WILL NO LONGER COMPLY WITH THE ESSENTIAL SAFETY REQUIREMENTS. THE USER MUST CONDUCT A RISK ASSESSMENT, AND IMPLEMENT WHATEVER EXTRA SAFETY MEASURES ARE REQUIRED, TO ENSURE THAT THE RESULTANT SYSTEM COMPLIES WITH THE LOW VOLTAGE DIRECTIVE, AND ANY OTHER LEGISLATION IN FORCE AT THE INSTALLATION SITE.

TRANSFORMER TAPPING OPTIONS

TAP		PRIMARY TAP NOMINAL VOLTAGE (VAC 50/60Hz)		
		LV	EU	HV
LK1	W	110/115/120	380	460
LK2	X	220/230	400	480
LK3	Y	240	415	500
LK4	Z	n/a	440	600

ISSUE	DESCRIPTION	DATE	ISSUE	DESCRIPTION	DATE
1	FIRST PRODUCTION RELEASE	21-08-21			

SHEET 2/2	DATE	SIGN.	WIRING DRAWING WD CKQC CTK, MSM, 3PH, CPTLP, NOEX2, CTR, CS24-IR, NOBK-HT, NOEXT	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.
MADE BY	8/21/2021	MAHI		
CHECKED	8/21/2021	DAB		
APPROVED	8/21/2021	DAB		



FORMAT	DRAWING N°
A4	TOE00020 - 1

CENTRONIK TERMINAL PLAN: TOE00020
ACTUATOR TERMINAL PLAN: G02100