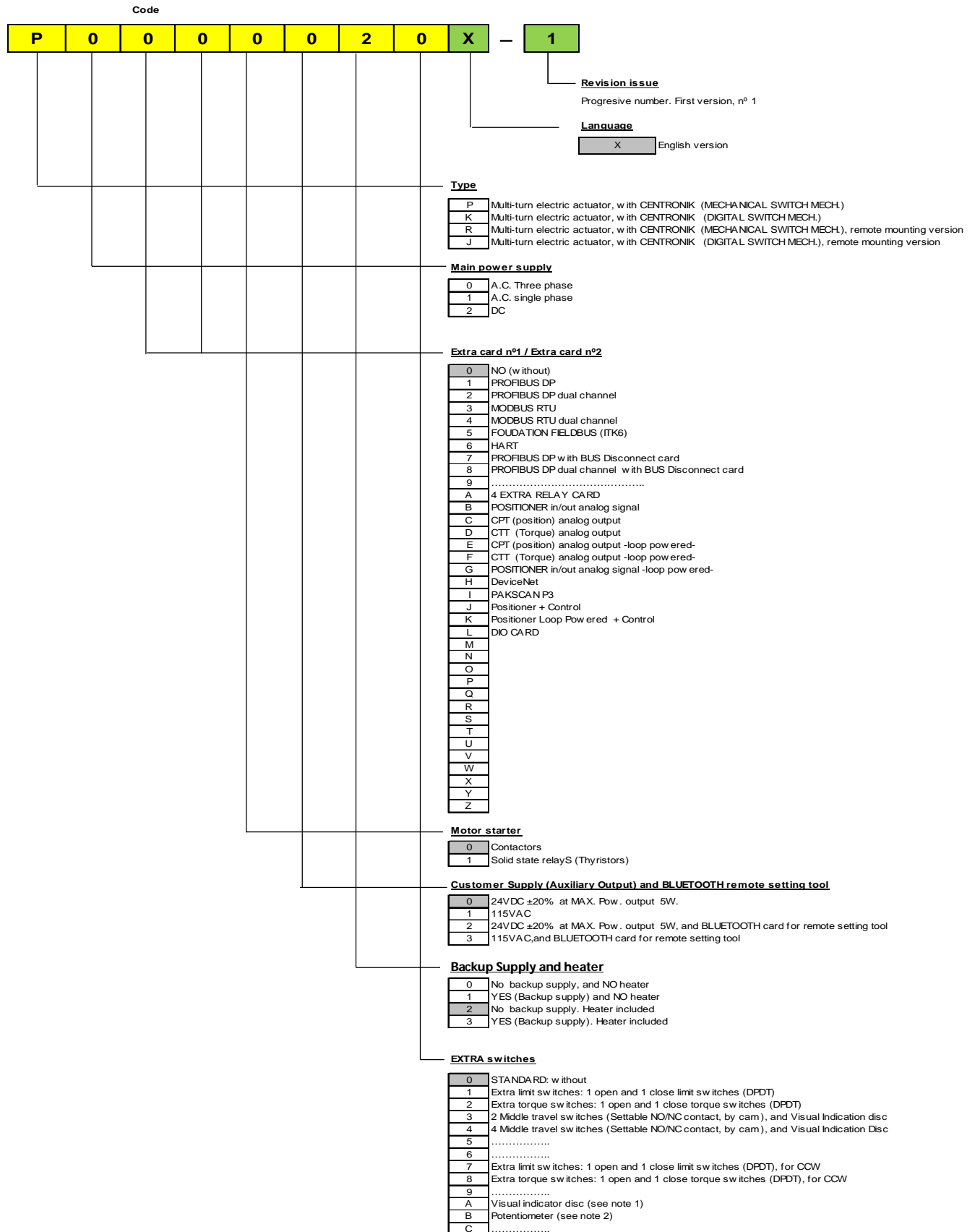


TITLE: MULTI-TURN CK ACTUATORS WITH CENTRONIK UNITS. TERMINAL AND WIRING DIAGRAMS
MODELS: CKC, CKRC

Rotork Controls. All rights reserved. Subject to change without notice. Previous data sheets invalid with the issue of the latest data sheets. Due to production tolerance variation, the electrical values shown are averages compiled from Actuator production test data. Values are therefore provided for guidance only. Individual production tests are available on request (nominal load not included). Rotork Controls underwrite rated torque output only (specified tolerance -0/+10%)



CK range actuators have an assigned wiring diagram and terminal plan for the specific build of the subject actuator. These are incorporated into one document that details the electrical connections and terminal allocations within the unit. Each document has an assigned code that will be required for actuator commissioning support.

NOTES

Due to technical and engineering constrains, no all configurations/variants are possible. Check that required wiring diagram (WD) exist and is available. Special variants under request. For any additional clarification, contact with Rotork.

- Valve position visual indication disc: The visual indication is mounted on the AID additional Indication drive. When middle travel switches, potentiometer, CPT card or positioner in/out card are selected, the valve position visual indication be included as default. If NOT, it will be necessary to select "A" option.
- Potentiometer element is used for the valve position analogue signal, for EMSM versions: Positioner in/out, CPT and Hart options, actuators already include a potentiometer in the EMSM unit, as default. It will be necessary to select "B" option, when Valve position indication (%) is required on centronik frontal panel or through the fieldbus. Remote mounting version, potentiometer is not recommended, so a 2 wires CPT current transmitter will be mounted instead in the actuator

The centronik units admit up to two extra electronic cards, (Extra card n°1 and Extra card n°2), the availability of these both cards combinations is depicted on next chart.

		Extra card n° 1																		
		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I
	-NO (without)	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	BPRO-PROFIBUS DP	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	BPRO2-PROFIBUS DP dual channel	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MOD-MODBUS RTU	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	MOD2-MODBUS RTU dual channel	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	FF-FOUDATION FIELDBUS (ITK6)	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	HRT-HART	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	BPRODS-PROFIBUS DP with BUS Disconnect card	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	BPRODS2-PROFIBUS DP dual channel with BUS Disconnect card	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9																		
	REL-4 EXTRA RELAY CARD	A	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
	POS-POSITIONER in/out analog signal	B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CPT-CPT (position) analog output	C	0	1	0	1	0	1	1	1	0		1	0	0	0	0	0	0	1
	CTT-CTT (Torque) analog output	D	0	1	0	1	0	1	1	1	0		1	1	1	0	0	0	1	1
	CPT.LP-CPT (position) analog output -loop powered-	E	0	1	0	1	0	1	1	1	0		1	0	0	0	0	0	1	1
	CTT.LP-CTT (Torque) analog output -loop powered-	F	0	1	0	1	0	1	1	1	0		1	1	0	0	1	0	1	1
	POS.LP-POSITIONER in/out analog signal -loop powered-	G	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
	DEV-DeviceNet	H	0	0	0	0	0	0	0	0	0		0	1	0	0	0	0	1	0
	PAK-PAKSCAN P3	I	0	0	0	0	0	0	0	0	0		0	1	0	0	0	0	1	0

1 Possible 0 Not available

For any special or non-existing combination, contact with Rotork.

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