

**TITLE:** TECHNICAL DATA MULTI-TURN ACTUATORS, MODULATING RANGE S4-50% DUTY CYCLE. AC 60HZ  
**THREE PHASE**  
**MODELS:** CKR, 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%)

Actuator model	Output speed (rpm)	Max. tripping torque (N.m)	Nominal torque (N.m)	Valve coupling Flange ISO 5210	Handwheel diameter (mm)	Handwheel ratio	Max allowable thrust -A type- ISO 5210	Valve spindle max diam -A type- (mm)	Aprox weight (kg)	Maximum starts per hour	
CKR30 CKRC30	011	11	30	10	F10 (F07)	100	10:1	70 (40)	34 (26)	18,5	1200
	014	14									1200
	021	21									1200
	029	29									1200
	043	43									1200
	057	57									1200
	086	86									1200
115	115	1200									
CKR60 CKRC60	011	11	60	20	F10 (F07)	100	10:1	70 (40)	34 (26)	18,5	1200
	014	14									1200
	021	21									1200
	029	29									1200
	043	43									1200
	057	57									1200
	086	86									1200
115	115	1200									
CKR120 CKRC120	011	11	120	40	F10	132	10:1	70	40	27	1200
	014	14									1200
	021	21									1200
	029	29									1200
	043	43									1200
	057	57									1200
	086	86									1200
115	115	1200									
CKR250 CKRC250	011	11	250	83,3	F14	220	10:1	160	57	48,5	1200
	014	14									1200
	021	21									900
	029	29									900
	043	43									600
	057	57									600
	086	86									400
115	115	400									
CKR500 CKRC500	011	11	500	166,7	F14	220	20:01	160	57	48,5	1200
	014	14									1200
	021	21									900
	029	29									900
	043	43									600
	057	57									600
	086	86									400
115	115	400									

Modulating CKR Standard and CKRC actuators with centronik data valid for actuators with 3-phase AC motors operated with an S4 – 50%.

Tripping torque adjustable for both directions, range [Max, min]

Actuators guaranteed self-locking up to 24 rpm included.

CK range, actuators require electric controls. CKC range actuators are fitted with centronik unit (integral control unit). Centronik unit can also easily be mounted to the CK actuators at a later date.

Actuator weight rated for CK standard, with output drive B1 (Other types, see outputs datasheet). CKRC units, add 9 kg for the centronik unit.

Actuator standard base according to ISO5210, MSS SP-102 base optional, under request.