

**TITLE:** TECHNICAL DATA MULTI-TURN ACTUATORS, MODULATING RANGE S4-50% DUTY CYCLE. AC 50HZ  
**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	009	9	30	10	F10 (F07)	100	10:1	70 (40)	34 (26)	18,5	1200
	012	12									1200
	018	18									1200
	024	24									1200
	036	36									1200
	048	48									1200
	072	72									1200
096	96	1200									
CKR60 CKRC60	009	9	60	20	F10 (F07)	100	10:1	70 (40)	34 (26)	18,5	1200
	012	12									1200
	018	18									1200
	024	24									1200
	036	36									1200
	048	48									1200
	072	72									1200
096	96	1200									
CKR120 CKRC120	009	9	120	40	F10	132	10:1	70	40	27	1200
	012	12									1200
	018	18									1200
	024	24									1200
	036	36									1200
	048	48									1200
	072	72									1200
096	96	1200									
CKR250 CKRC250	009	9	250	83,3	F14	220	10:1	160	57	48,5	1200
	012	12									1200
	018	18									900
	024	24									900
	036	36									600
	048	48									600
	072	72									400
096	96	400									
CKR500 CKRC500	009	9	500	166,7	F14	220	20:01	160	57	48,5	1200
	012	12									1200
	018	18									900
	024	24									900
	036	36									600
	048	48									600
	072	72									400
096	96	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.