

NEW

RTK[®] REact EQ-PoP

Up to 10kN
(2250 lb/f)

ENSURES SYSTEM PROTECTION STAYS ON EVEN WHEN THE POWER GOES OFF.

REact EQ - DC-PoP smart linear electric actuator up to 10 kN or 2250 lb/f actuator is uniquely designed to keep your system safe in any situation. Because unlike other actuators, the EQ - DC-PoP offers two system-saving features - a standard Emergency Closing Unit and a PoP-module (Emergency power supply) that allows the actuator to reach a predefined safety end position if power is lost

IT ALSO OFFERS:



Temperature Range

- 20° to 55° C
- 4° to +131° F



Charging Cycles

> 500,000



Max Charging Time

60 seconds

NEMA
TYPE 4x

IP 65

Protection Ratings
& Certifications



CE UK CA



DESIGNED TO DELIVER

The RTK REact EQ- PoP combines system-protecting functions with convenient features and efficient performance.

- › Actuating Forces – 3 kN or 675 lb/f , 6 kN or 1350 lb/f, 10 kN or 2250 lb/f
- › Standard Power supply 24 VDC
- › World-wide usage – The actuator works in Power Range 90 - 264 VAC /47-63 Hz
- › Smart BLCD motor with REdriveECU and Emergency closing unit
- › Adjustable speed
- › No oil tank necessary
- › Compact construction can be easily retrofitted
- › Accommodates flow in both directions (FTO and FTC)
- › Over force protection – Saves valve parts and actuator damages
- › Corrosion resistant variant available for offshore applications
- › Reducing the energy consumption up to 60% from Synchronous motor Less maintenance although 100% running time (24/7)
- › Fail Safe Function – Opening/closing
- › REepac03 supercap based – only for REact30
- › Speed fail safe



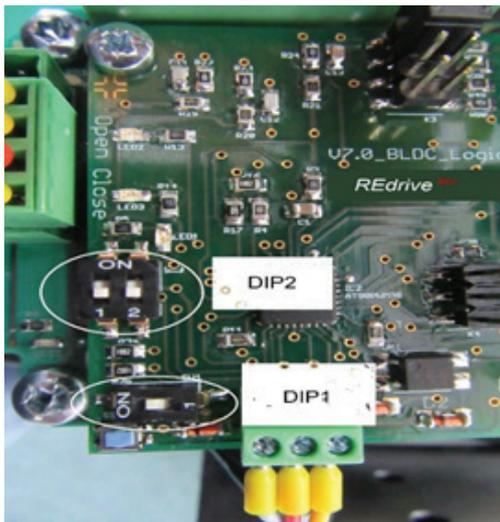
Efficiency



Low maintenance



Safe

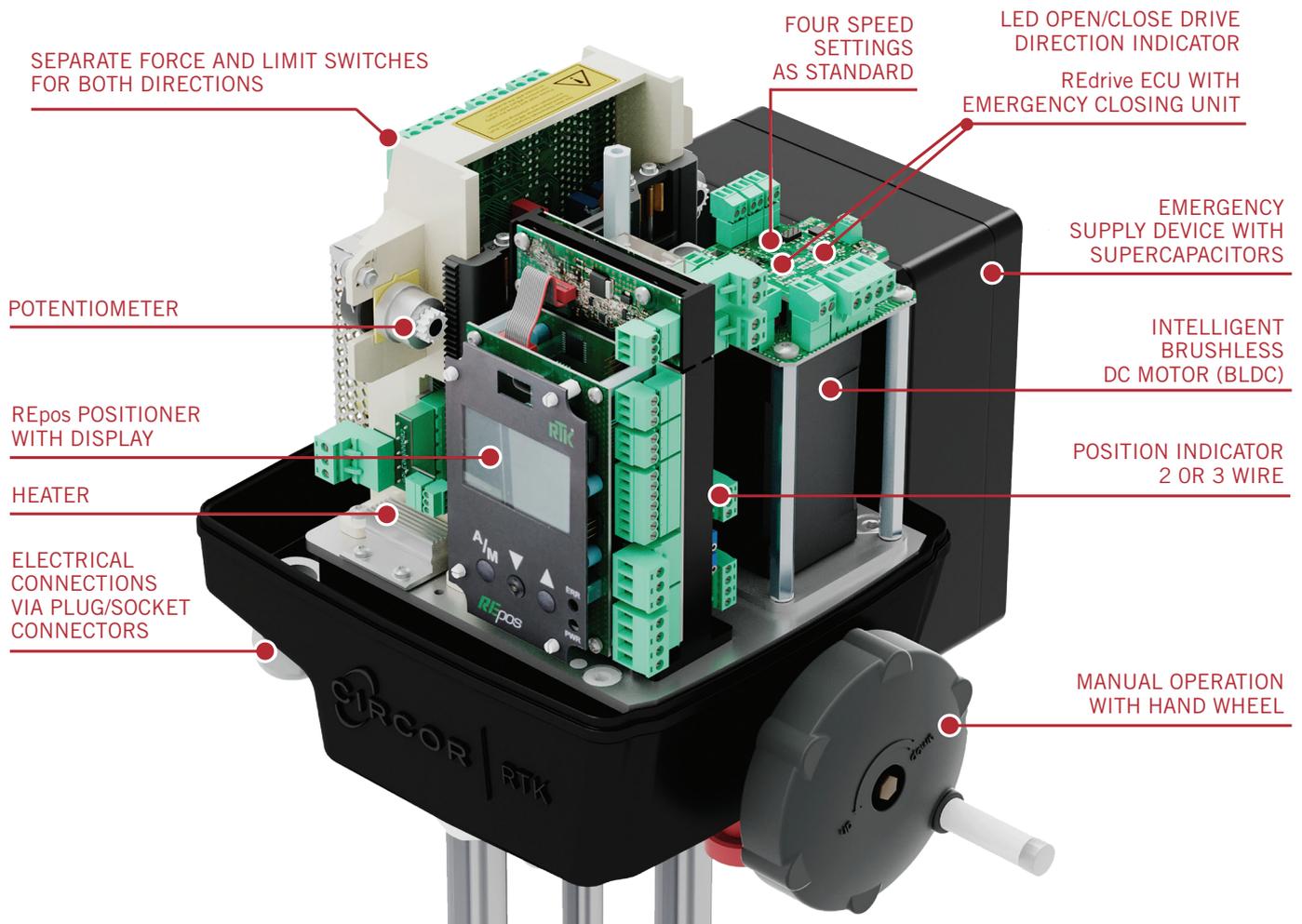


REACT EQ - PoP 30	LOW VERSION		HIGH VERSION	
FAIL-SAFE SPEED	1.1 mm/s	2.6 inch/min	3.1mm/s	6.3 inch/min
ACTUATOR SPEED DIP2 Position=				
00 →	0,20 mm/sec	0.47 inch/min	0,60 mm/sec	0.41 inch/min
01 →	0,28 mm/sec	0.71 inch/min	0,74 mm/sec	0.75 inch/min
10 →	0,42 mm/sec	1.06 inch/min	1,12 mm/sec	2.65 inch/min
11 →	1,84 mm/sec	2.01 inch/min	2,24 mm/sec	5.30 inch/min

REact EQ-DC PoP Video



REACT EQ - PoP 60/100	LOW VERSION		HIGH VERSION	
FAIL-SAFE SPEED	2.1 mm/s	5.0 inch/min	4.3 mm/s	10.1 inch/min
ACTUATOR SPEED DIP2 Position=				
00 →	0,40 mm/sec	0.94 inch/min	0,80 mm/sec	1.88 inch/min
01 →	0,53 mm/sec	1.25 inch/min	1,10 mm/sec	2.60 inch/min
10 →	0,80 mm/sec	1.88 inch/min	1,60 mm/sec	3.78 inch/min
11 →	1,60 mm/sec	3.78 inch/min	3,10 mm/sec	7.32 inch/min



INCREDIBLE ACTUATORS ARE JUST THE BEGINNING.

Our wide range of flow control solutions along with our unmatched industry expertise can make a real difference to your entire operation. To see what we can do for your system or to find out which REact actuator is right for you, go to www.rtk.de or www.circor.com/brands/rtk

OPTIONAL ACCESSORIES INCLUDE

- › Power pack, input 90-264 V 50/60 Hz
- › Heater
- › Speeds individually pre-settable
- › Potentiometer
- › Position indicator, 2 or 3-wire
- › REpos positioner with display
- › Bus system (Modbus, Profibus DP, CANopen)
- › Sea air resistant variant

RTK[®] REACT FAIL-SAFE ELECTRIC ACTUATORS COMPARATION

REact EQ DC-PoP	VS	REact ST6151-X
Open / Closed	Direction	Closed
10kN (2250 lb/f)	Max force of actuator	1,2 kN (270 lb/f)
Over and under	Flow	Over
Both directions	Used for 2- and 3-way valves	In close directions
All types	Plugs	Only for perforated and V port plugs
YES	NRTL & NEMA 4x certificated (USA and Canada)	NO
Low	Price	High
530°C (986°F)	Medium temperature	up to 300°C (572°F)
NO	Oil tank necessary	YES
YES	Easier retrofit	NO
YES	Compact	NO
TWO	Different fail-safe speeds	ONE
Available for REact EQ, DC (30-100)	Series	Available for REact E, DC (30-100)
When actuator is damaged, the electric ECU or fail-safe function don't work	If the actuator is damaged....	When actuator is damaged, mechanical fail-safe unit still works
NO	** TÜV Certificate DIN EN14597	YES. Available for REact E,DC (30/60)



Electronical ECU and fail-safe
function in both directions
All plugs are possible

Mechanical ECU and fail-safe
function only for closing direction
Only 2 plugs are possible



* TÜV Safety tested is only possible for mechanical function (not possible for electrical)