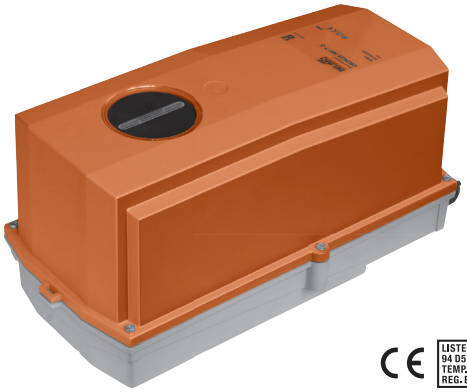
DKRX24-3-T N4 Technical Data Sheet

On/Off, Floating Point, Electronic Fail-Safe, 24 V



5-year warranty

Technical Data	
Power Supply	24 VAC, ±20%, 50/60 Hz
Power consumption in operation	12 W
Power consumption in rest position	3 W
Transformer sizing	21 VA (class 2 power source)
Electrical Connection	Terminal blocks
Overload Protection	electronic thoughout 0...90° rotation
Torque motor	810 in-lb [90 Nm]
Direction of motion motor	selectable with switch 0/1
Position indication	Mechanically, 5...20 mm stroke
Manual override	under cover
Running Time (Motor)	default 150 s, variable 90...150 s
Running time fail-safe	<35 s
Ambient humidity	max. 95% r.H., non-condensing
Ambient temperature	-22...122°F [-30...50°C]
Storage temperature	-40...176°F [-40...80°C]
Degree of Protection	IP66/67, NEMA 4X, UL Enclosure Type 4X
Housing material	Polycarbonate
Noise level, motor	45 dB(A)
Noise level, fail-safe	60 dB(A)
Servicing	maintenance-free
Quality Standard	ISO 9001
Weight	3.2 lb [1.5 kg]

Wiring Diagrams

INSTALLATION NOTES

1 Provide overload protection and disconnect as required.

10 For triac sink the Common connection from the actuator must be connected to the Hot connection of the controller. Position feedback cannot be used with a triac sink controller; the actuator internal common reference is not compatible.

11 Actuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.

12 IN4004 or IN4007 diode. (IN4007 supplied, Belimo part number 40155).

16 Actuators are provided with a numbered screw terminal strip instead of a cable.

◆ Meets cULus requirements without the need of an electrical ground connection.

! WARNING! LIVE ELECTRICAL COMPONENTS!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.