MY940 High Torque Actuator

The MY940 is a motorized actuator with a high level of output for use with control valves in various facilities including air-conditioning systems. In combination with the V5063A single-seated two-way valve, the V5064A double-seated two-way valve, and the V5065A mixing three-way valve, they are suitable for controlling large-bore fluid control systems or versions where a high differential pressure is generated during shutoff. The actuators have high/low limit mechanisms and feedback potentiometers (nominally 135 ohms). Yoke set (QMY9400) separately available.



Specifications

Model No.	MY9400 / 9402	MY9401 / 9403	
	(Stroke 19mm)	(Stroke 38mm)	
Power	100Vac 50/60Hz		
	200Vac 50/60Hz		
Rated shift output	1334N or more		
Rated operating time	42s (50Hz), 35s (60Hz)	41s (50Hz), 34s (60Hz)	
Rated stroke	19mm 38mm		
Feedback potentiometer	Resistance normally 135Ω Maximum applicable voltage 13.5Vdc		
Rated power consumption	100Vac: 22W (50Hz) / 23W (60Hz)	100Vac: 48W (50Hz) / 50W (60Hz)	
	200Vac: 24W (50Hz) / 26W (60Hz)	200Vac: 50W (50Hz) / 52W (60Hz)	
Auxiliary switch (optional)) High/low limit no voltage output contact 250Vac - 5A (resistive load): approx. 3.5A (inductive load)		
LED display	ON while the torque limiter switch and high limit switch are operating		
	(built in)		
Temperature	-25 to +55°C		
Humidity	10 to 90% RH		
Protection	JIS C0920 protection 5 (equivalent to IP55)		
Manual operation	Use the detachable crank handle (attachment)		
Wiring port	G1/2 x 2 (with waterproof conduit).	Outer diameter of cable $\phi9$ to $\ \phi11$	
Material	Aluminum die-casting		
Mass	7.2kg	7.0kg	
Attachment	Detachable crank handle (for manual operation)		
Accessories	Yoke set	Components • Yoke	
(sold separately)	Model No.: QMY9400A1001 (stroke 19mm)	 Stem adaptor 	
	QMY9400B1001 (stroke 38mm)	 Actuator installation 	
		bolt	

Selection Guide

Example: MY9400A0001

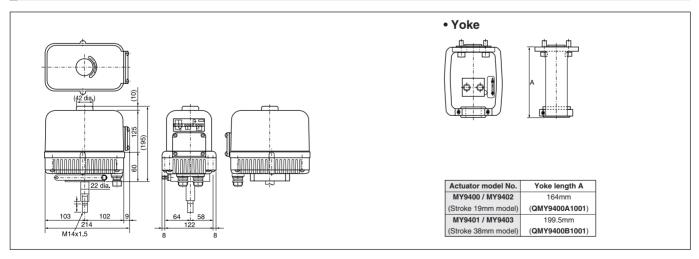
Segment	Model No. selection		Description	
I	Basic No.	MY940	High torque actuator	
П	II Applicable valve/size		Two-way valve	3B or less (stroke 19mm)
		1	Two-way valve	4B to 6B (stroke 38mm)
		2	Three-way valve	3B or less (stroke 19mm)
		3	Three-way valve	4B to 6B (stroke 38mm)
III	Power A		100Vac 50/60Hz	
		В	200Vac 50/60Hz	
IV	IV Option 1		No option	
		1	With two auxiliary swit	ches
V	Option 2	001	None	

Combination of Valve and Actuator

Actuator	Applicable valve model No.	Actuator	Applicable valve model No
MY9400	V5063A, VY5063C Series	MY9402	V5065A6001
	V5064A6002	-	V5065A6019
	V5064A6010		V5065A6027
	V5064A6028		V5065A6035
	V5064A6036		V5065A6043
	V5064A6044		V5065A6050
MY9401	V5064A6051		V5065A6068
	V5064A6069	MY9403	V5065A6076
	V5064A6077		V5065A6084
			V5065A6092

Note: Check that the model number of the actuator matches the specifications of the valves. An incorrect combination may damage the valve or actuator.

Dimensions



(Unit: mm)