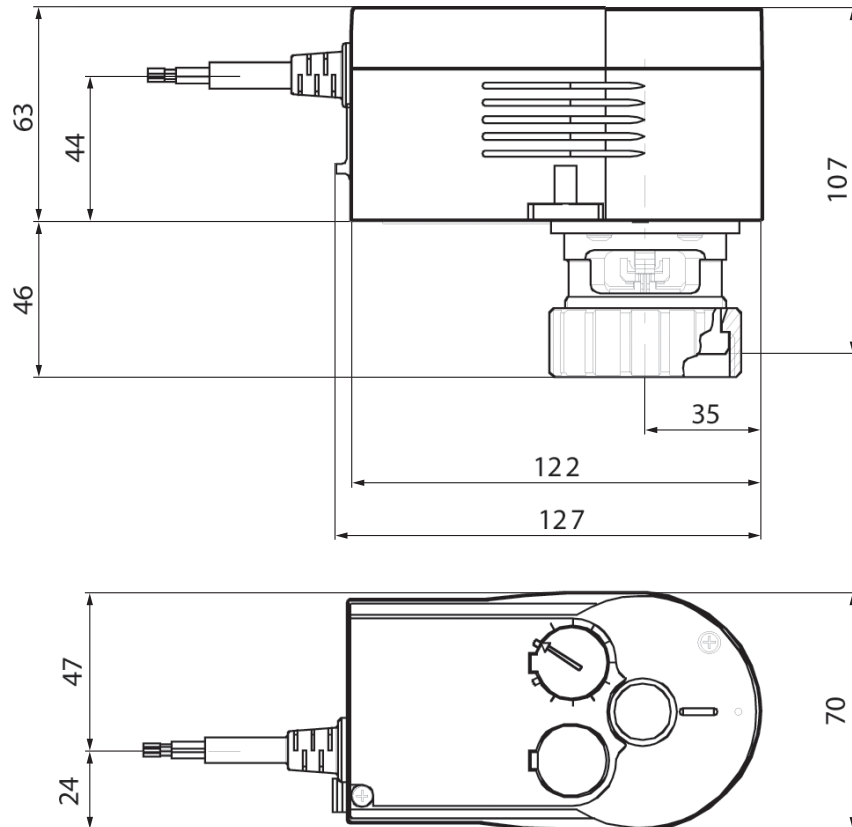


Actuators for 3-Way-Valves

Datasheet for 1 **7712 11**, 1 **7712 50**, 1 **7712 51**, Issue 0216

☑ Dimensions in mm



☑ Design

Two-part housing made of self-extinguishing plastic, lower section black, upper section yellow; Synchronous motor with control and electronic cut-off; Maintenance-free gearbox with magnetic clutch; Console made of glass-fibre-reinforced plastic; Brass box nut for fitting valve; Gearbox that can be disengaged for positioning valve manually (Allen key included)

1 **7712 11** **Actuation of three-way valves 24 V** For controllers with continuous output (0...10 V) or switching output (2-point or 3-point control).

1 **7712 50** **Actuation of three-way valves 230 V**
For controllers with a switching output (2/3-point control).

1 **7712 51** **Actuation of three-way valves 24 V**
For controllers with a switching output (2/3-point control).

☑ Installation

Installation is allowed in vertical and horizontal positions, but not upside down.

☑ Technical data

	1 7712 11	1 7712 50/51
Operation time	60 / 120 s	120 s
Stroke		8 mm
Pushing force		500 N
Weight		0,7 kg
Max. operating temperature		100 °C on valve body
Ambient temperature		-10 to 55 °C
Ambient humidity		5 to 95% r.F.
Electrical protection		IP 54 (EN 60529)

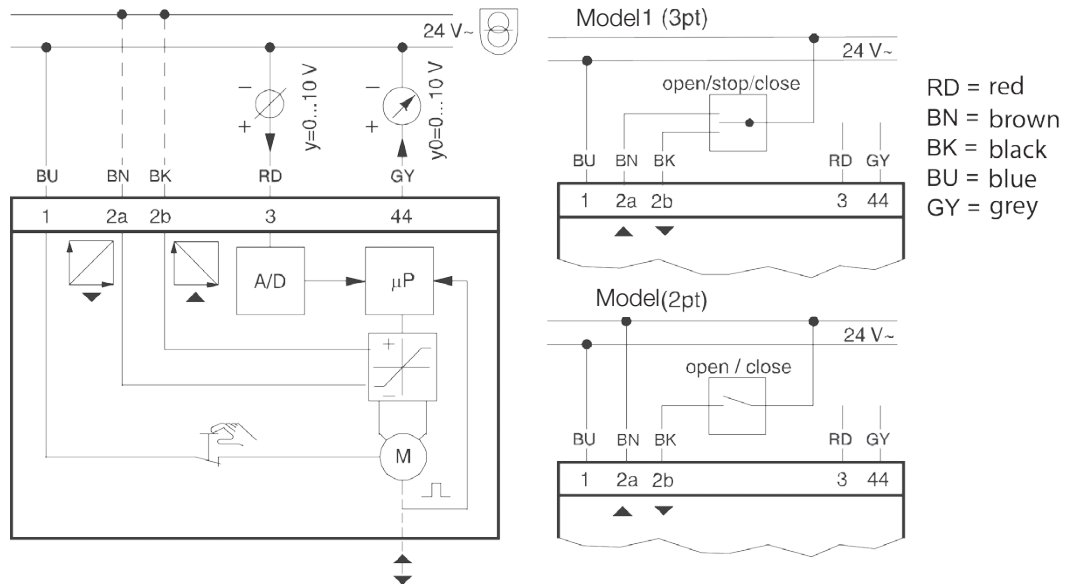
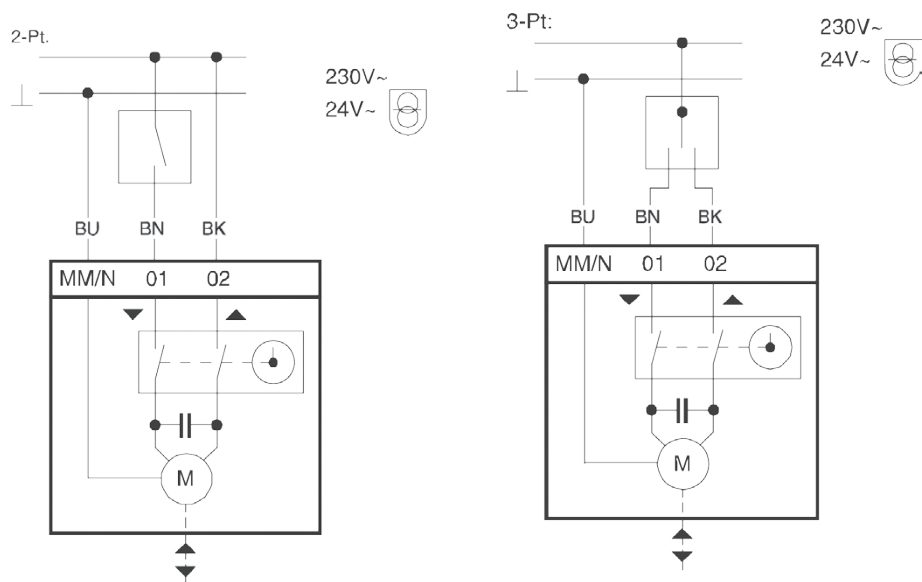
1 7712 11	Control signal	0 to 10 V, Rj >100 kOhm
	Positional feedback signal	0 to 10 V, load > 10 kOhm
	Starting point U0	0 to 10 V
	Control span delta U	10 V
	Switching range Xsh	200 mV
	Power supply	24 V +/- 20%, 50 to 60 Hz
	Power consumption	60 s 120 s
	Operating	7 VA 5 VA
	Standstill	0,5 VA 0,5 VA
	Response time	200 ms

1 7712 50	Power supply	230 V +/- 15%, 50 to 60 Hz
	Power consumption	120 s
	Operating	1,6 VA
	Standstill	1,6 VA
	Response time	100 ms

1 7712 51	Power supply	24 V ~ +/-F95 20%, 50 to 60 Hz
	Power consumption	120 s
	Operating	1,5 VA
	Standstill	1,5 VA
	Response time	100 ms

☑ Accesories

1 4037 ..	HERZ-Three-Way Mixing and Diverting Valves
1 7796 04	Transformer 230 V / 24 V, 50 Hz, 50 VA
1 7793 24	HERZ-Electronic Heating Controller 24 V
1 7793 01	External temperature probe for heating controller
1 7793 00	Touch temperature probe for heating controller
1 7940 62	HERZ-RTC-Electronic Control System for Continuous Control

 Wiring diagram
1 **7712 11**1 **7712 50** or 1 **7712 51**



BU	BN	BK	RD	GY
blau	braun	schwarz	rot	grau
bleu	brun	noir	rouge	gris
blue	brown	black	red	grey
azzurro	marrón	nero	rosso	grigio
azul	marrn	negro	rojo	gris
blá	brun	svart	röd	grå
blauw	bruin	zwart	rood	grijs



BU	BN	BK	RD	GY
blau	braun	schwarz	rot	grau
bleu	brun	noir	rouge	gris
blue	brown	black	red	grey
azzurro	marrone	nero	rosso	grigio
azul	marrn	negro	rojo	gris
biā	brun	svart	röd	grā
blauw	bruin	zwart	rood	grijs

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