DATA SHEET

M3P-46845-20N00-1S

Produal

Distributed by AKRIBIS



Motorised valve actuator

M3P-46845-20N00-1S



24 V

IP54

Product page

These motorised valve actuators are designed for applications that require a short response time for valve control. The actuators have a removable cable (1 m) for supply power and position control. You can control the valve position using 3-point or 2-point signal. Always use an adapter between the valve and the actuator.

These actuators have an indicator light for status indication.

You can install these actuators in any position and they can be protected against unauthorized removal.

Other connection cable lengths are available separately. The available lengths are 2, 3, 5, 10, 15 and 20 m.

Technical specifications – Power supply

Power supply
24 Vac (22...26 V 50/60 Hz, <2.6 A) / 24 Vdc (20...28 V, <1.4 W)

Current consumption
AC: 100 mA / DC: 60 mA / stand-by: 10 mA

Technical specifications – Product properties

Appliance class
III

Materials
Polyamide (housing), PC plastic (cover), PVC (cable)

Warranty
2 years

Compliance information
Refer to the EU Declaration of Conformity or the UK Declaration of Conformity for compliance information. You can find the declarations on this product's page at www.produal.com.

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Technical specifications – Inputs

Control input
3-point or 2-point signal (24 Vac / 24 Vdc)

Technical specifications – Installation

Mounting
On a valve using a valve adapter

Technical specifications – Wiring

Cable
1 m, 3 x 0,22 m² (PVC)

Technical specifications – Operation

Stroke
8.5 mm

Actuation force
200 N

Running time
30 s/mm

Technical specifications – Operating and storage conditions

IP protection class
IP54

Medium temperature
0...100 °C

Ambient temperature
0...50 °C

Storage temperature
-20...70 °C

Technical specifications – Dimensions

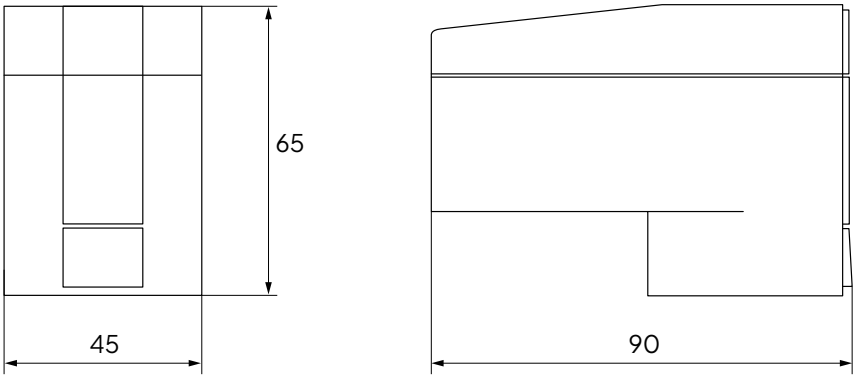
Product dimensions (w x h x d)
45 x 65 x 90 mm

Product weight
155 g

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Dimensions

All dimensions are in millimetres (mm).

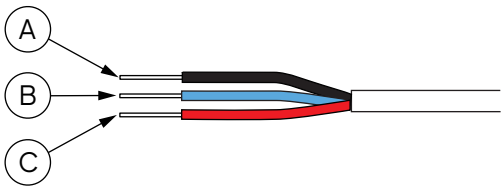


Wiring

Warning: Only connect wires and commission the device if you are qualified for electrical work and familiar with building automation products. Risk of electric shock and damage to the device.

Warning: Always commission the device in a de-energised electricity network. Risk of electric shock.

Caution: Always use a safety isolating transformer that complies with the EN 61558-2-6 standard for AC supply. Use a switching power supply that complies with the EN 61558-2-16 standard for DC supply.



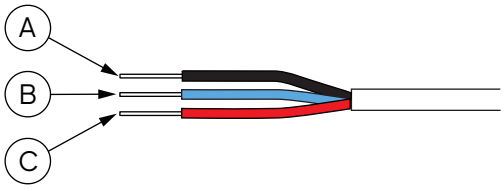
3-point control

A Black, 24 Vac/dc, piston extends when this wire is energised

B Blue, 0 V

C Red, 24 Vac/dc, piston retracts when this wire is e

If the black and red wires are de-energised, the piston stays in the current position.



2-point control

A Black, power supply, 24 Vac/dc

B Blue, power supply, 0 V

C Red, piston retracts when this wire is energised and extends when this wire is de-energised

Ordering information

	Product name	Product number	
	M3P-46845-20N00-1S	1210120	motorised valve actuator, 3-point control, running time 30 s/mm

Optional products

	Product name	Product number	
	BA-ALL.5.3.01	1220031	3-wire actuator cable, 1 m
	BA-ALL.5.3.02	1220032	3-wire actuator cable, 2 m
	BA-ALL.5.3.03	1220033	3-wire actuator cable, 3 m
	BA-ALL.5.3.05	1220035	3-wire actuator cable, 5 m
	BA-ALL.5.3.10	1220036	3-wire actuator cable, 10 m
	BA-ALL.5.3.15	1220037	3-wire actuator cable, 15 m
	BA-ALL.5.3.20	1220038	3-wire actuator cable, 20 m

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