

Električni pogoni tip

R473-R473M R478-R478M



Opis

Za zagotavljanje optimalne regulacije temperature prostora, energetskih prihrankov in udobja, je priporočljiva uporaba pogonov na razdelilnih talnega gretja, radiatorskih ventilih s termostatsko opcijo oz. na ventilih vgrajenih na ventilatorskih konvektorjih. Pogone tipa R478 in R473 odlikujejo absolutno tiho delovanje, dolga življenska doba (ne vsebujejo sestavnih delov, ki bi bili podvrženi obrabi) in dovolj počasno delovanje, ki preprečuje nastanek hidravičnega udara. Njegov pogon je vložek polnjen z voskom, reguliran z PTC z nizko rabo.

Tehnični podatki

- Produkt skladen z direktivo B.T. 73/23/CEE and 93/68/CEE in ENEC 03 Certificate
- Kategorija izdelka: "električni pogon za uporabo na radiatorjih in ploskovnih ogrevalnih sistemih"
- Stanje delovanja brez napetosti:
 - Brez napetosti odprt "NO" (R478)
 - Brez napetosti zaprt "NC" (R473)
- Premočno gibanje
- Hod 24 mm
- Prostiprašna zaščita class 2
- Izolacijska upornost 4 kV
- Vodoodpornost do IP40
- Zaščita z dvojno izolacijo (Class II)
- Napajalni kabel H05 VV-F, dolžina 1,5 m
- čas odpiranja pri sobni T za tipe R473/R473V/R473M/R473VM 230 V - 24 V $\approx$ 6 minutes
- čas odpiranja pri sobni T za tipe R478/R478V/R478M/R478VM 230 V - 24 V $\approx$ 6 minutes
- Temperatura obratovanja: $-5 \div 50$ °C
- Temperatura skladiščenja: $-20 \div 65$ °C
- Ohišje iz negorljivega PBT V0-UL94
- Hitra priključitev za Giacomini standard
- Mehanski indikator lege
- Mikro stikalo NC pri odprtem ventilu (R478M - R478MV)
- Mikro stikalo NO pri zaprtem ventilu (R473M - R473MV)

Elektrotermični pogoni normalno odprt NO - (serija R478)



Pogoni R478 so brez napetosti odprti (NO). Omogočajo pretok skozi grelo (radiator, cev, konvektor), kadar na pogonu ni napetosti. Vgrajen je dvožilni kabel za priključitev na termostat ali regulator.

Pogon R478M ima vgrajeno tudi končno stikalo, za vklop/izklop črpalke ali conskega ventila. (4 žilni kabel)

Pogon R478V ima vgrajen varistor, za uporabo na mestih z velikimi nihanjem napetosti.

Pogon R478MV ima vgrajen termistor in končno stikalo.

NO pogoni so namenjeni za ploskovna ogrevanja, saj je njihovo delovanje večinoma brez napetosti, kar zmanjšuje rabo elektrike.

Električni pogoni normalno zaprt NC - (tip R473)



Pogoni vrste R473 so brez napetosti zaprti (NC); dovoljujejo pretok fluida skozi porabnike ob prisotnosti napetosti.

R473M ima vgrajeno tudi končno stikalo, za vklop/izklop črpalke ali conskega ventila. (4 žilni kabel)

R473V ima vgrajen varistor, za uporabo na mestih z velikimi nihanji napetosti.

R473MV ima vgrajen termistor in končno stikalo.

Vsi ti modeli imajo tudi ročno blokado v odprtem položaju, da lahko ogrevalni elementi delajo tudi ob vzdrževanju ali dokler še niso povsem v funkciji (električno priključeni).

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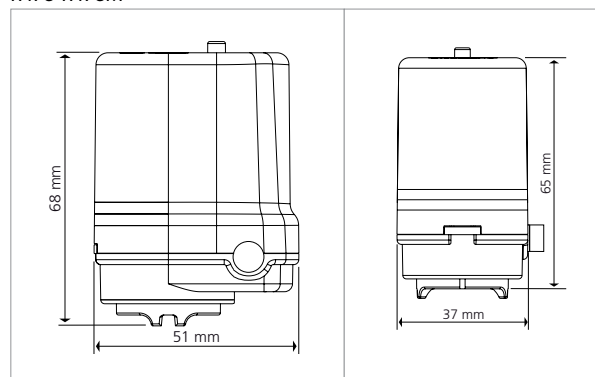
Tipi in oznake

Oznaka	Moč	Napajalna napetost	Maksimalni zagonski tok (*)	delovni tok po a12 min (*)	Upornost (*)	vodniki	Mikro stikalo NC	Varistor
R478X121	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$2 \times 0,75mm^2$	-	-
R478X122	3 W	24V 50Hz	$\leq 0,2A$	$\leq 0,125A$	$147\Omega \pm 25\%$	$2 \times 0,75mm^2$	-	-
R478MX021	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$4 \times 0,75mm^2$	5A 125Vac	-
R478MX022	3 W	24V 50Hz	$\leq 0,2A$	$\leq 0,125A$	$147\Omega \pm 25\%$	$4 \times 0,75mm^2$	5A 125Vac	-
R478VX121	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$2 \times 0,75mm^2$	-	S10K250
R478VX021	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$4 \times 0,75mm^2$	5A 125Vac	S10K250
R473X121	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$2 \times 0,75mm^2$	-	-
R473X122	3 W	24V 50Hz	$\leq 0,2A$	$\leq 0,125A$	$147\Omega \pm 25\%$	$2 \times 0,75mm^2$	-	-
R473MX021	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$4 \times 0,75mm^2$	5A 125Vac	-
R473MX022	3 W	24V 50Hz	$\leq 0,2A$	$\leq 0,125A$	$147\Omega \pm 25\%$	$4 \times 0,75mm^2$	5A 125Vac	-
R473VX121	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$2 \times 0,75mm^2$	-	S10K250
R473VX021	3,5 W	230V 50Hz	$\leq 0,26A$	$\leq 0,015A$	$1200\Omega + 46\% - 35\%$	$4 \times 0,75mm^2$	5A 125Vac	S10K250

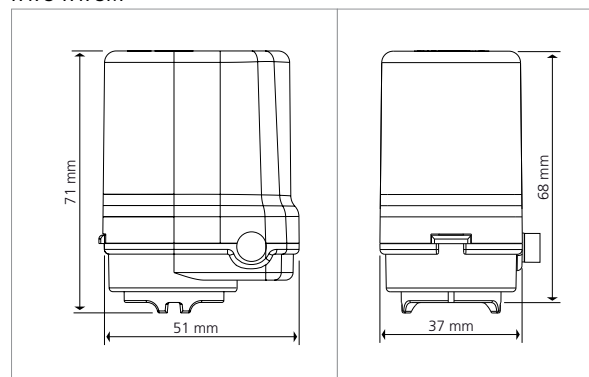
(*) vrednosti izmerjene pri sobni temperaturi

Dimenzije

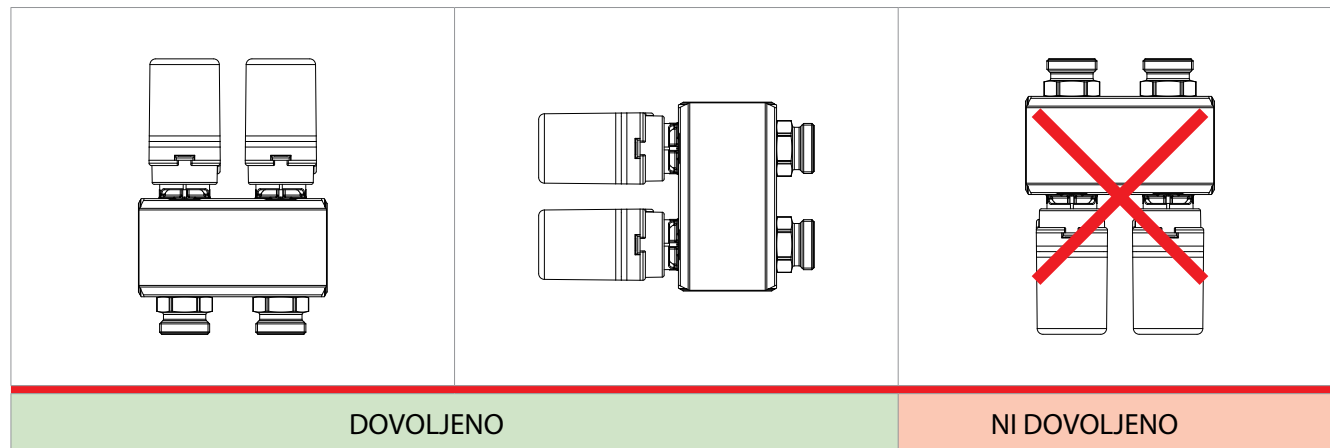
R478-R478M



R473-R473M



Montaža



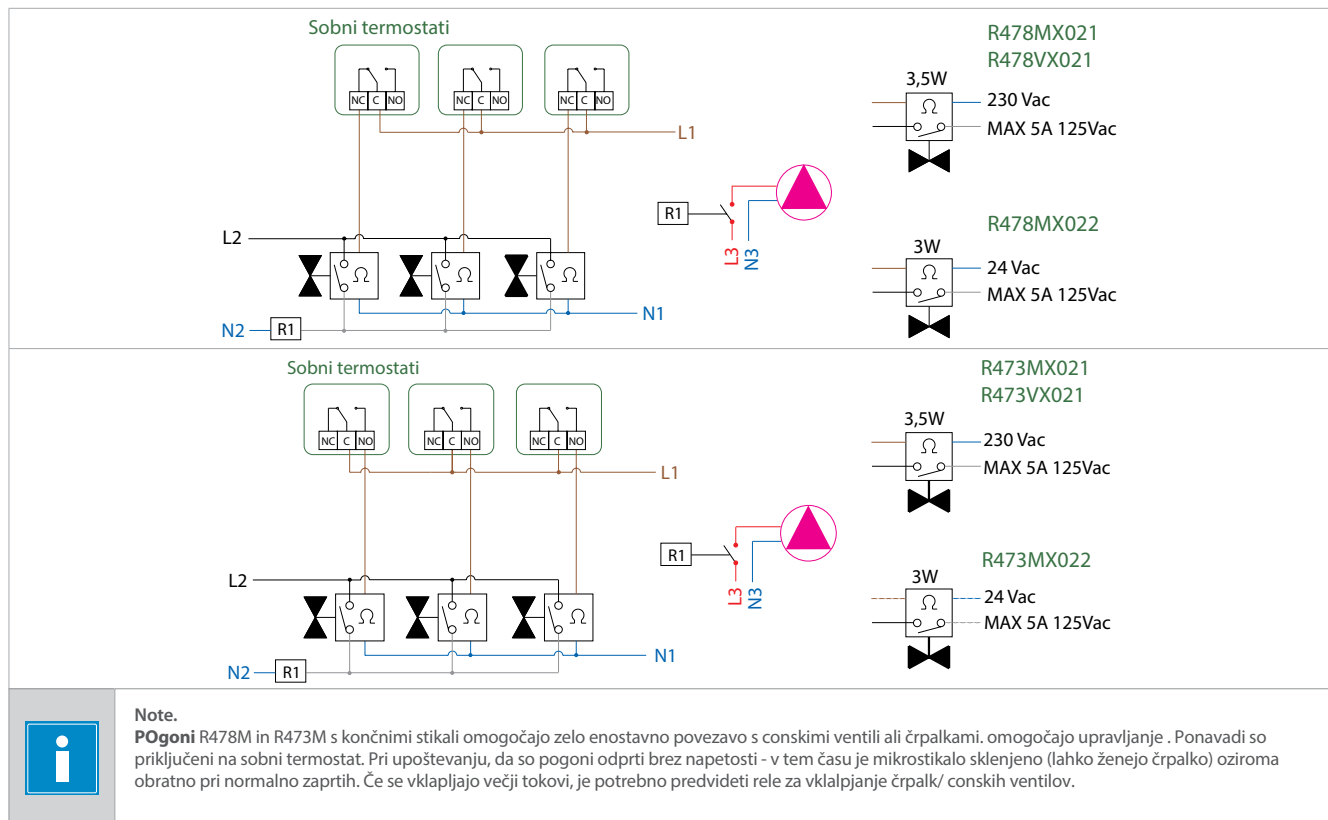
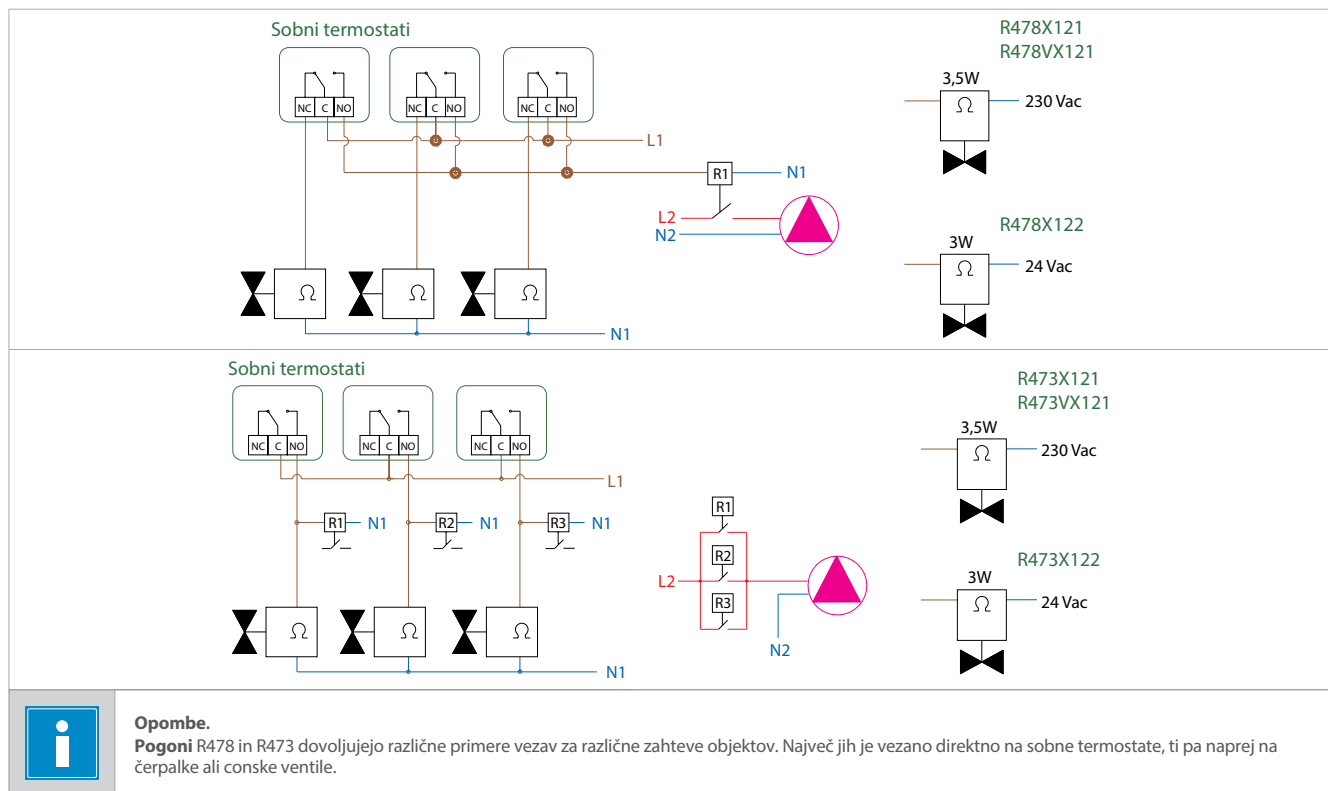
DOVOLJENO

NI DOVOLJENO

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Električna vezava

**Caution!**

Ohišje ni razstavljivo in se ga ne sme odpirati v nobenem primeru. Vsakršno odpiranje pogona pomeni izgubo pravice do garancije. Električnih vodnikov se ne sme zamenjevati, v primeru okvare je potrebno izdelek zavreči. Garancija velja 1 leto od vgradnje. Garancija ne krije nestrokovnega oz malomarnega rokovanja z izdelkom. Vsi garancijski izdelki se vršijo prek Giacomini S.p.A. oz pooblaščenih pdistributerjev. Pred vgradnjo je potrebno preveriti napetost, da se ugotovi ali izbrana pravilna napajalna napetost. Električna vezava ne sme potekati pod napetostjo. Električna vezava morabit izvedena skladno z zakonodajo, v kateri se montaža vrši, upoštevani morajo biti vsi tehnični predpisi in priporočila. Giacomini S.p.A. ne odgovarja za škodo, ki bi nastala ob neprimernem rokovanju z izdelkom.

Product specification

R478 230V

Electrical actuator normally open for use on radiators and radiant panel heating and cooling systems. Casing material flame retardant PBT V0-UL94, rapid connection, with valve position mechanical indicator, supply cable type H05 VV-F 1,5 m useful length. Linear motion, dust protection class 2, electrical enclosure to IP40, protection against direct contacts by means of double insulation (Class II). Valve working stroke: 2,4 mm. Electrical discharge voltage: 4 kV. Power supply 230 Vac. Closing time at room temperature $\approx$ 6 minutes. Working room temperature: $-5^{\circ}\text{C} \div +50^{\circ}\text{C}$. Storage room temperature: $-20^{\circ}\text{C} \div +65^{\circ}\text{C}$. Product in compliance with Directive B.T. 73/23/CEE and 93/68/CEE and ENEC03 Certificate.

R478 24V

Electrical actuator normally open for use on radiators and radiant panel heating and cooling systems. Casing material flame retardant PBT V0-UL94, rapid connection, with valve position mechanical indicator, supply cable type H05 VV-F 1,5 m useful length. Linear motion, dust protection class 2, electrical enclosure to IP40, protection against direct contacts by means of double insulation (Class II). Valve working stroke: 2,4 mm. Electrical discharge voltage: 4 kV. Power supply 24 Vac. Closing time at room temperature $\approx$ 6 minutes. Working room temperature: $-5^{\circ}\text{C} \div +50^{\circ}\text{C}$. Storage room temperature: $-20^{\circ}\text{C} \div +65^{\circ}\text{C}$. Product in compliance with Directive B.T. 73/23/CEE and 93/68/CEE and ENEC03 Certificate.

R478M 230V

Electrical actuator normally open with end stroke micro-switch for use on radiators and radiant panel heating and cooling systems. Casing material flame retardant PBT V0-UL94, rapid connection, with valve position mechanical indicator, supply cable type H05 VV-F 1,5 m useful length. Linear motion, dust protection class 2, electrical enclosure to IP40, protection against direct contacts by means of double insulation (Class II). Valve working stroke: 2,4 mm. Electrical discharge voltage: 4 kV. Power supply 230 Vac. Closing time at room temperature $\approx$ 6 minutes. Working room temperature: $-5^{\circ}\text{C} \div +50^{\circ}\text{C}$. Storage room temperature: $-20^{\circ}\text{C} \div +65^{\circ}\text{C}$. Product in compliance with Directive B.T. 73/23/CEE and 93/68/CEE and ENEC03 Certificate.

R478M 24V

Electrical actuator normally open with end stroke micro-switch for use on radiators and radiant panel heating and cooling systems. Casing material flame retardant PBT V0-UL94, rapid connection, with valve position mechanical indicator, supply cable type H05 VV-F 1,5 m useful length. Linear motion, dust protection class 2, electrical enclosure to IP40, protection against direct contacts by means of double insulation (Class II). Valve working stroke: 2,4 mm. Electrical discharge voltage: 4 kV. Power supply 24 Vac. Closing time at room temperature $\approx$ 6 minutes. Working room temperature: $-5^{\circ}\text{C} \div +50^{\circ}\text{C}$. Storage room temperature: $-20^{\circ}\text{C} \div +65^{\circ}\text{C}$. Product in compliance with Directive B.T. 73/23/CEE and 93/68/CEE and ENEC03 Certificate.

R478V 230V

Electrical actuator normally open with varistore for use on radiators and radiant panel heating and cooling systems. Casing material flame retardant PBT V0-UL94, rapid connection, with valve position mechanical indicator, supply cable type H05 VV-F 1,5 m useful length. Linear motion, dust protection class 2, electrical enclosure to IP40, protection against direct contacts by means of double insulation (Class II). Valve working stroke: 2,4 mm. Electrical discharge voltage: 4 kV. Power supply 230 Vac. Closing time at room temperature $\approx$ 6 minutes. Working room temperature: $-5^{\circ}\text{C} \div +50^{\circ}\text{C}$. Storage room temperature: $-20^{\circ}\text{C} \div +65^{\circ}\text{C}$. Product in compliance with Directive B.T. 73/23/CEE and 93/68/CEE and ENEC03 Certificate.

R478MV 230V

Electrical actuator normally open with varistore and end stroke micro-switch for use on radiators and radiant panel heating and cooling systems. Casing material flame retardant PBT V0-UL94, rapid connection, with valve position mechanical indicator, supply cable type H05 VV-F 1,5 m useful length. Linear motion, dust protection class 2, electrical enclosure to IP40, protection against direct contacts by means of double insulation (Class II). Valve working stroke: 2,4 mm. Electrical discharge voltage: 4 kV. Power supply 230 Vac. Closing time at room temperature $\approx$ 6 minutes. Working room temperature: $-5^{\circ}\text{C} \div +50^{\circ}\text{C}$. Storage room temperature: $-20^{\circ}\text{C} \div +65^{\circ}\text{C}$. Product in compliance with Directive B.T. 73/23/CEE and 93/68/CEE and ENEC03 Certificate.

R473 230V

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R473 24V

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R473M 230V

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Additional information

For additional information please check the Giacomini website at the following address: www.giacomini.com

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