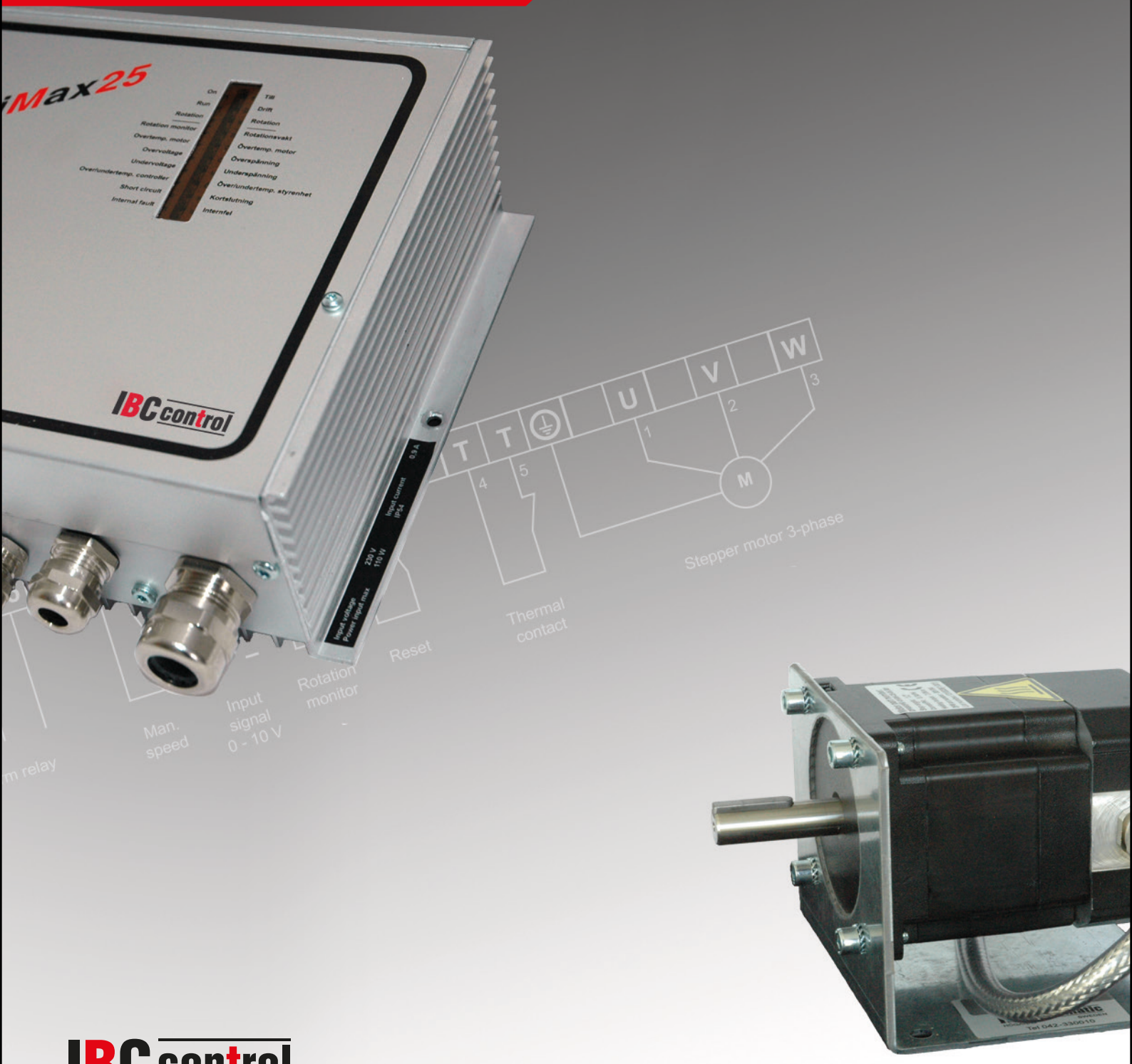
PRICE LIST - EURO

VALID FROM JANUARY 1, 2018



IBC control

Made in Sweden

IBC control manufactures and stocks a complete program for controlling rotating heat exchangers. Keeping our promises and delivering on time is very important to us. We know from experience, this is appreciated by our customers.

MiniMax, MicroMax, VariMax and MicroStart

THE COMPLETE PRODUCT FAMILY FOR AN OPTIMAL RUN OF ROTATING HEAT EXCHANGERS

Our control units have all the necessary functions for an optimal run of rotating heat exchangers. Additionable cards for docking such as difference temperature regulator with electric heat output, 2-wheel module card are available as accessories to MiniMax.

MiniMax is intended for wheel diameters up to 3500 mm and manages all input signals existing on the market. All our additional cards suit the MiniMax, which makes it our most cost efficient control unit.

MicroMax is intended for wheel diameters up to 1500 mm. The control units are delivered in enclosed versions as standard, but may on demand be delivered in customer specific versions with an input signal of 0-10 V.

MicroMax180 is intended for wheel diameters up to 2500 mm. The control units are delivered in enclosed versions as standard, but may on demand be delivered in customer specific versions with an input signal of 0-10 V.

MicroMax370 is intended for wheel diameters up to 3500 mm. The control units are delivered in enclosed versions as standard, but may on demand be delivered in customer specific versions with an input signal of 0-10 V.

MicroMax750 is intended for wheel diameters up to 5000 mm. The control units are delivered in enclosed versions as standard, but may on demand be delivered in customer specific versions with an input signal of 0-10 V.

VariMax25 is intended for wheel diameters up to 1500 mm. The control units are delivered in enclosed versions and handle an input signal of 0-10 V. The control unit must be combined with our VariMax-motor25.

VariMax50 is intended for wheel diameters up to 2500 mm. The control units are delivered in enclosed versions and handle an input signal of 0-10 V. The control unit must be combined with our VariMax-motor50.

VariMax100 is intended for wheel diameters up to 3900 mm. The control units are delivered in enclosed versions and handle an input signal of 0-10 V. The control unit must be combined with our VariMax-motor100.

MicroStart is a “hybrid control unit” between the simple on/off control unit and the more advanced stepless control unit for rotating heat exchangers. MicroStart is intended for wheel diameters up to 1500 mm. MicroStart has a pause/running time function controlled by the input signal, with a total cycle time of 60 seconds. Depending on the level of the input signal, the proportion between pause and running time changes. MicroStart has a built-in shift of the input signal, which implies that the wheel becomes proportional to the input signal. The control units are delivered in enclosed versions as standard, but may on demand be delivered in customer specific versions.

CE
All control units are approved in accordance with the demands as specified in the EMC directive 2004/108/EG and are tested according to standard EN 61800-3:2004, Emission Category C1 and Immunity Category C2. All control units follow the low voltage directive 2006/95/EG, standard EN 61800-5-1.

UL/CSA
VariMax25-50-100 with respective VariMax-motor is approved for the North American market in accordance with UL 508C and CSA C22.2.No14.

Contents

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Terms of sale

WARRANTY

VariMax-assortment: 5 years warranty after invoice date.
Other assortment: 2 years warranty after invoice date.

PRICES

Given prices are in Euro excluding VAT.
The Euro prices are calculated against a fixed exchange rate SEK to EUR. Changes of the exchange may therefore affect the invoiced prices.

TERMS OF PAYMENT

30 days after invoice date.

TIME OF DELIVERY

By return from stock.

TERMS OF DELIVERY

Either EXW or DDU Höganäs excl. packing.

DIRECTIONS OF DELIVERY

General directions of delivery, either NL01 or Orgalime S 2000 counts for deliveries.

Drive set for rotating heat exchanger with single wheel

The drive set consists of control unit, rotation monitor with bracket and motor with suitable pulley.

Drive set with MiniMax

Control unit in protection form IP54 for free mounting.

VP400VK	to	VP800 VK	1 353 EUR/set
VP850VK	to	VP1500 VK	1 399 EUR/set
VP1550VK	to	VP2500 VK	1 488 EUR/set
VP2550VK	to	VP3000 VK	1 544 EUR/set
VP3050VK	to	VP3500 VK	1 599 EUR/set

Drive set with MicroMax

Control unit in protection form IP54 for free mounting.

VP400VKC	to	VP800 VKC	with MicroMax	1 194 EUR/set
VP850VKC	to	VP1500 VKC	with MicroMax	1 247 EUR/set
VP1550VKC	to	VP2500 VKC	with MicroMax180	1 420 EUR/set
VP2550VKC	to	VP3000 VKC	with MicroMax370	1 581 EUR/set
VP3050VKC	to	VP3500 VKC	with MicroMax370	1 617 EUR/set
VP3550VKC	to	VP5000 VKC	with MicroMax750	1 806 EUR/set

Drive set with VariMax

Control unit in protection form IP54 for free mounting.
Motor connected with 2 m EMC-cable on VariMax25 and 3 m on the others.

VP1500VKE	Drive set 1500 VKE for rotor max 1500 mm	1 273 EUR/set
VP2500VKE	Drive set 2500 VKE for rotor max 2500 mm	1 474 EUR/set
VP3400VKE	Drive set 3400 VKE for rotor max 3400 mm	1 724 EUR/set
VP3900VKE	Drive set 3900 VKE for rotor max 3900 mm	1 728 EUR/set

Drive set for rotating heat exchanger with two wheel

The drive set consists of control unit with 2-wheel module, 2 pcs rotation monitors with brackets and 2 pcs motors with 2 pcs pulleys suitable for wheel diameter.

Drive set with MiniMax for 2-wheel operation

Control unit in protection form IP54 for free mounting.

VP400VK2	to	VP800 VK2	2 133 EUR/set
VP850VK2	to	VP1500 VK2	2 133 EUR/set
VP1550VK2	to	VP2500 VK2	2 312 EUR/set

Please visit our website, www.ibccontrol.se
and experience all our functions, such as:

News
Here you will find the latest news from IBC control.

Products
Here you find all necessary information about our products.

Inquiry
This is the place for you whether you have a question or would like to place an order.
At any time, whatever product, we will serve you.

Product catalogue and manuals
Here you can download or order our product catalogue and manuals.

Stepless run

MiniMax

From March 1, 2016 MiniMax V/VK is no longer manufactured.
It is replaced by adjoining MiniMax. The functions are the same.

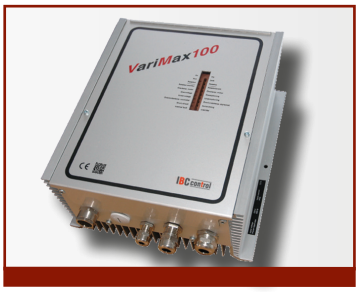
Protection form IP54 for free mounting.

F21037501 *)	MiniMax	806 EUR/pcs.

MicroMax

Protection form IP54 for free mounting.

F21009201 *)	MicroMax	640 EUR/pcs.
F21018201 *)	MicroMax180	730 EUR/pcs.
F21037401 *)	MicroMax370	824 EUR/pcs.
F21075401 *)	MicroMax750	1 039 EUR/pcs.



VariMax

Protection form IP54 for free mounting, to be combined with each VariMax-motor.

F21025201 *)	VariMax25	736 EUR/pcs.
F21050201 *)	VariMax50	840 EUR/pcs.
F21100201 *)	VariMax100	948 EUR/pcs.
F21025303	VariMax25 UL/CSA	773 EUR/pcs.
F21050303	VariMax50 UL/CSA	882 EUR/pcs.
F21100303	VariMax100 UL/CSA	995 EUR/pcs.

Regulated on/off run

MicroStart

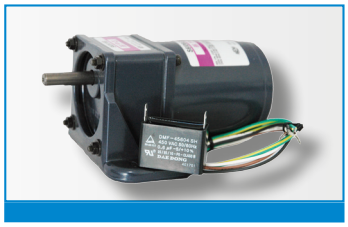
Protection form IP54 for free mounting.

F21008201 *)	MicroStart excl. capasitor	277 EUR/pcs.

*) NOTE! EMC gland is not included in the price.

Special motors for rotating heat exchangers

1-phase motors for on/off run or with MicroStart

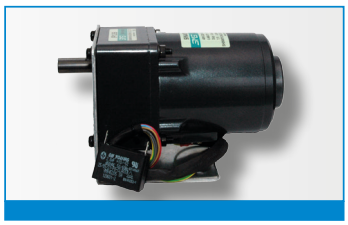


In line helical gear motor 1-phase 230 V
Built-in thermal contact, not drawn to terminal

F22006055	Motor 6/55 1-phase	6 W / 55 rpm	382 EUR/pcs.
F22006080	Motor 6/80 1-phase	6 W / 80 rpm	382 EUR/pcs.

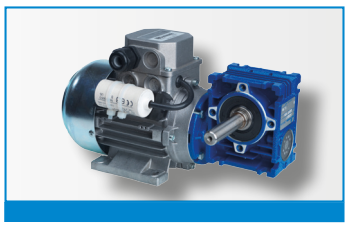
In line helical gear motor 1-phase 230 V
Built-in thermal contact, not drawn to terminal

F22025096	Motor 25/96 1-phase	25 W / 96 rpm	477 EUR/pcs.
F22040100	Motor 40/100 1-phase	40 W / 100 rpm	512 EUR/pcs.



In line helical gear motor with tachometer feedback 1-phase 230 V
Built-in thermal contact, not drawn to terminal

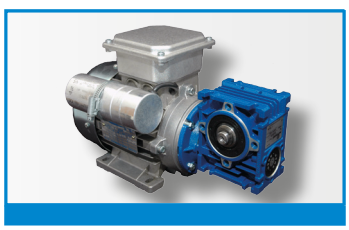
F22025100	Motor 25/100 1-phase	25 W / 100 rpm	525 EUR
F22040101	Motor 40/100 1-phase	40 W / 100 rpm	564 EUR



Worm gear motor 1-phase 230 V
Built-in thermal contact, drawn to terminal

F22090090	Motor 90/90 1-phase	90 W / 91 rpm	575 EUR/pcs.
F22090141	Motor 90/140 1-phase	90 W / 140 rpm	575 EUR/pcs.
F22180141 *)	Motor 180/140 1-phase	180 W / 140 rpm	668 EUR/pcs.
F22250141 *)	Motor 250/140 1-phase	250 W / 140 rpm	789 EUR/pcs.

*) At run, using the MicroStart, a contactor must be used.

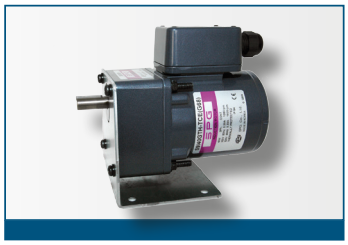


Worm gear motor 1-phase 115 V UL
Built-in thermal contact, drawn to terminal

F22090144UL	Motor 90/140 1-phase	90 W / 140 rpm	575 EUR/pcs.
F22090204UL	Motor 90/200 1-phase	90 W / 200 rpm	575 EUR/pcs.
F22180204UL *)	Motor 180/200 1-phase	180 W / 200 rpm	668 EUR/pcs.
F22250204UL *)	Motor 250/200 1-phase	250 W / 200 rpm	789 EUR/pcs.
F22370204UL *)	Motor 370/200 1-phase	370 W / 200 rpm	789 EUR/pcs.

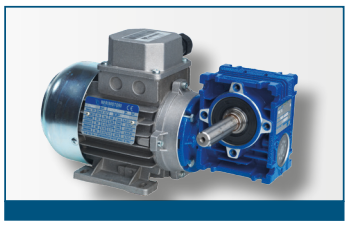
*) At run, using the MicroStart, a contactor must be used.

3-phase motors for regulated run with MiniMax or MicroMax



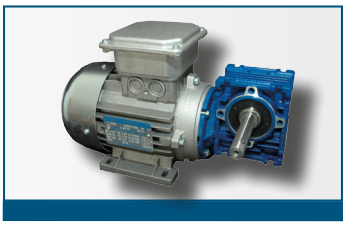
In line helical gear motor 3-phase 230 V
Built-in thermal contact, drawn to terminal

F22025075	Motor 25/75 3-phase	25 W / 75 rpm	477 EUR/pcs.
F22040075	Motor 40/75 3-phase	40 W / 75 rpm	512 EUR/pcs.
F22040075F	Motor 40/75F 3-phase	40 W / 75 rpm	564 EUR/pcs.
F22060075	Motor 60/75 3-phase	60 W / 75 rpm	649 EUR/pcs.



Worm gear motor 3-phase 230/400 V
Built-in thermal contact, drawn to terminal

F22090068	Motor 90/68 3-phase	90 W / 68 rpm	523 EUR/pcs.
F22090091	Motor 90/91 3-phase	90 W / 91 rpm	523 EUR/pcs.
F22090140	Motor 90/140 3-phase	90 W / 140 rpm	523 EUR/pcs.
F22090200	Motor 90/200 3-phase	90 W/ 200 rpm	523 EUR/pcs.
F22180072	Motor 180/72 3-phase	180 W / 72 rpm	607 EUR/pcs.
F22180140	Motor 180/140 3-phase	180 W / 140 rpm	607 EUR/pcs.
F22180200	Motor 180/200 3-phase	180 W / 200 rpm	607 EUR/pcs.
F22370092	Motor 370/92 3-phase	370 W / 92 rpm	717 EUR/pcs.
F22370140	Motor 370/140 3-phase	370 W / 140 rpm	717 EUR/pcs.
F22370200	Motor 370/200 3-phase	370 W / 200 rpm	717 EUR/pcs.
F22750200	Motor 750/200 3-phase	750 W / 200 rpm	864 EUR/pcs.



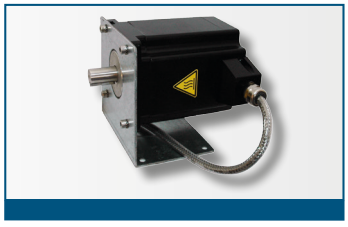
Worm gear motor 3-phase 208/360 V UL
Built-in thermal contact, drawn to terminal

F22090142UL2	Motor UL 90/140 3-phase	90 W / 140 rpm	523 EUR/pcs.
F22180202UL2	Motor UL 180/200 3-phase	180 W / 200 rpm	607 EUR/pcs.
F22250202UL2	Motor UL 250/200 3-phase	250 W / 200 rpm	717 EUR/pcs.
F22370202UL2	Motor UL 370/200 3-phase	370 W / 200 rpm	717 EUR/pcs.

Worm gear motor 3-phase 230/400 V UL
Built-in thermal contact, drawn to terminal

F22090142UL	Motor UL 90/140 VD 3-phase	90 W / 140 rpm	523 EUR/pcs.
F22180202UL	Motor UL 180/200 VD 3-phase	180 W / 200 rpm	607 EUR/pcs.
F22250202UL	Motor UL 250/200 VD 3-phase	250 W / 200 rpm	717 EUR/pcs.
F22370202UL	Motor UL 370/200 VD 3-phase	370 W / 200 rpm	717 EUR/pcs.
F22750202UL	Motor UL 750/200 VD 3-phase	750 W / 200 rpm	864 EUR/pcs.

3-phase stepping motor for regulated run with VariMax



Stepping motor 3-phase 325 V DC
Built-in thermal contact, drawn to terminal

F22025301	VariMax-motor25, with 2 m EMC-cable	489 EUR/pcs.
F22050301	VariMax-motor50, with 3 m EMC-cable	589 EUR/pcs.
F22100301	VariMax-motor100, with 3 m EMC-cable	766 EUR/pcs.
F22025303	VariMax-motor25 UL/CSA, with 2 m EMC-cable	513 EUR/pcs.
F22050303	VariMax-motor50 UL/CSA, with 3 m EMC-cable	618 EUR/pcs.
F22100303	VariMax-motor100 UL/CSA, with 3 m EMC-cable	805 EUR/pcs.

EMC-set for enclosed control units

Set of glands for mounting according to the EMC-directives.

F29801314	MiniMax, MicroMax and VariMax, M-thread	34 EUR/set
F29804301	MicroStart. Set of glands plastic, M-thread, non EMC	19 EUR/set

Rotation monitor with magnet

F29510101	Length of cable 2 m	40 EUR/set
F29510107	Length of cable 3 m	52 EUR/set
F29510106	Length of cable 5 m	55 EUR/set
F29510109	Length of cable 10 m	67 EUR/set

Rotation monitor with magnet and bracket

F29510102	Length of cable 2 m and bracket	44 EUR/set
F29510104	Length of cable 3 m and bracket	58 EUR/set
F29510105	Length of cable 5 m and bracket	61 EUR/set
F29510110	Length of cable 10 m and bracket	74 EUR/set

V-belt and belt clip

Minimum recommended pulley size:

Fixed clip: 80 mm
Flexible clip: 100 mm

F29130800	V-belt A-profile	13 x 8 mm	28 EUR/m
F29130801	Clip for V-belt	Fixed	9 EUR/pcs.
F29130802	Clip for V-belt	Flexible	33 EUR/pcs.

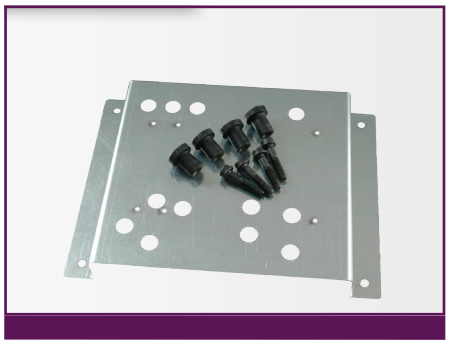
Round belt and splice pin

Minimum recommended pulley size:

6 mm round belt: 56 mm
8 mm round belt: 63 mm

10 mm round belt: 75 mm
12 mm round belt: 85 mm

F29000600	Round belt	6 mm	6 EUR/m
F29000800	Round belt	8 mm	9 EUR/m
F29001000	Round belt	10 mm	17 EUR/m
F29001200	Round belt	12 mm	23 EUR/m
F29000603	Splice pin	6 mm	2 EUR/pcs.
F29000803	Splice pin	8 mm	2 EUR/pcs.
F29001003	Splice pin	10 mm	2 EUR/pcs.
F29001203	Splice pin	12 mm	3 EUR/pcs.



Motor shelf, fixed

Used with round belt

F29910113	Motor shelf, fixed	64 EUR/set

Motor shelf, spring-mounted

Used with V-belt

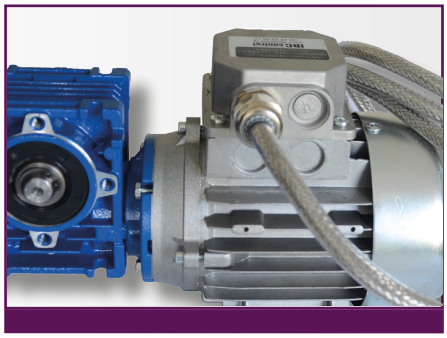
F29910114	Motor shelf, spring-mounted	169 EUR/set

Bush pulley SPA

F23063003	SPA 63	Bushing 1008	28 EUR/pcs.
F23067003	SPA 67	Bushing 1108	28 EUR/pcs.
F23071003	SPA 71	Bushing 1108	28 EUR/pcs.
F23075003	SPA 75	Bushing 1108	29 EUR/pcs.
F23080003	SPA 80	Bushing 1210	29 EUR/pcs.
F23085003	SPA 85	Bushing 1210	29 EUR/pcs.
F23090003	SPA 90	Bushing 1210	30 EUR/pcs.
F23095003	SPA 95	Bushing 1210	31 EUR/pcs.
F23100003	SPA 100	Bushing 1610	35 EUR/pcs.
F23106003	SPA 106	Bushing 1610	39 EUR/pcs.
F23112003	SPA 112	Bushing 1610	39 EUR/pcs.
F23118003	SPA 118	Bushing 1610	40 EUR/pcs.
F23125003	SPA 125	Bushing 1610	42 EUR/pcs.
F23132003	SPA 132	Bushing 1610	43 EUR/pcs.
F23140003	SPA 140	Bushing 1610	45 EUR/pcs.
F23150003	SPA 150	Bushing 1610	47 EUR/pcs.
F23160003	SPA 160	Bushing 1610	47 EUR/pcs.
F23170003	SPA 170	Bushing 1610	54 EUR/pcs.

Bushing for SPA

F23630000	Bushing 1008	shaft hole 10 mm	16 EUR/pcs.
F23630002	Bushing 1008	shaft hole 12 mm	16 EUR/pcs.
F23630004	Bushing 1008	shaft hole 14 mm	16 EUR/pcs.
F23630750	Bushing 1108	shaft hole 10 mm	16 EUR/pcs.
F23630752	Bushing 1108	shaft hole 12 mm	16 EUR/pcs.
F23630754	Bushing 1108	shaft hole 14 mm	16 EUR/pcs.
F23800950	Bushing 1210	shaft hole 10 mm	17 EUR/pcs.
F23800952	Bushing 1210	shaft hole 12 mm	17 EUR/pcs.
F23800954	Bushing 1210	shaft hole 14 mm	17 EUR/pcs.
F23800955	Bushing 1210	shaft hole 15 mm	17 EUR/pcs.
F23800958	Bushing 1210	shaft hole 18 mm	17 EUR/pcs.
F23001500	Bushing 1610	shaft hole 10 mm	18 EUR/pcs.
F23001502	Bushing 1610	shaft hole 12 mm	18 EUR/pcs.
F23001504	Bushing 1610	shaft hole 14 mm	18 EUR/pcs.
F23001505	Bushing 1610	shaft hole 15 mm	18 EUR/pcs.
F23001508	Bushing 1610	shaft hole 18 mm	18 EUR/pcs.
F23001509	Bushing 1610	shaft hole 19 mm	18 EUR/pcs.
F23001525	Bushing 1610	shaft hole 25 mm	18 EUR/pcs.



Connected motor according to EMC-directives

Any other lenghts of EMC cabling on inquiry.

EMC-cabling for motor 25 W, 40 W and 60 W		
F29807215	Length of cable 1,5 m	42 EUR
F29807220	Length of cable 2 m	47 EUR
EMC-cabling for motor 90 W		
F29807420	Length of cable 2 m	54 EUR
EMC-cabling for motor 180 W, 370 W and 750 W		
F29807430	Length of cable 3 m	64 EUR

Motor capacitor for 1-phase motor

F29920111	Motor capacitor 0,6 µF	15 EUR/pcs.
F29920105	Motor capacitor 1 µF	18 EUR/pcs.
F29920106	Motor capacitor 1,5 µF	19 EUR/pcs.
F29920104	Motor capacitor 2 µF	19 EUR/pcs.
F29920101	Motor capacitor 6 µF	19 EUR/pcs.
F29920102	Motor capacitor 8 µF	30 EUR/pcs.
F29920103	Motor capacitor 15 µF	42 EUR/pcs.

Additional cards

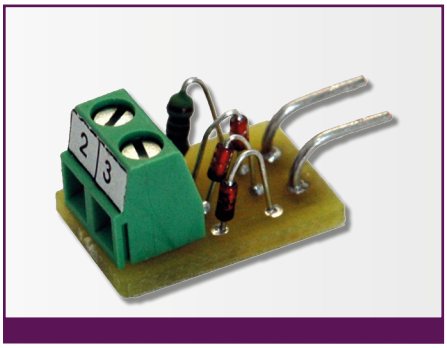
Intended for the control units MiniMax.

F29110107	Difference temperature regulator with electric-heat output	129 EUR
F29316101	2-wheel module	116 EUR

Duct sensor

Intended for additional cards.

F29520101	Duct sensor	35 EUR



Increased input signal

F29315101	Increased input signal	54 EUR

Reset module

F29320101	Reset module MiniMax	31 EUR

Testbox for setup

F29314101	Testbox for setup of the control units	76 EUR

PERSONAL NOTES

PERSONAL NOTES

REVISED, APRIL 2018

DISTRIBUTORS

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