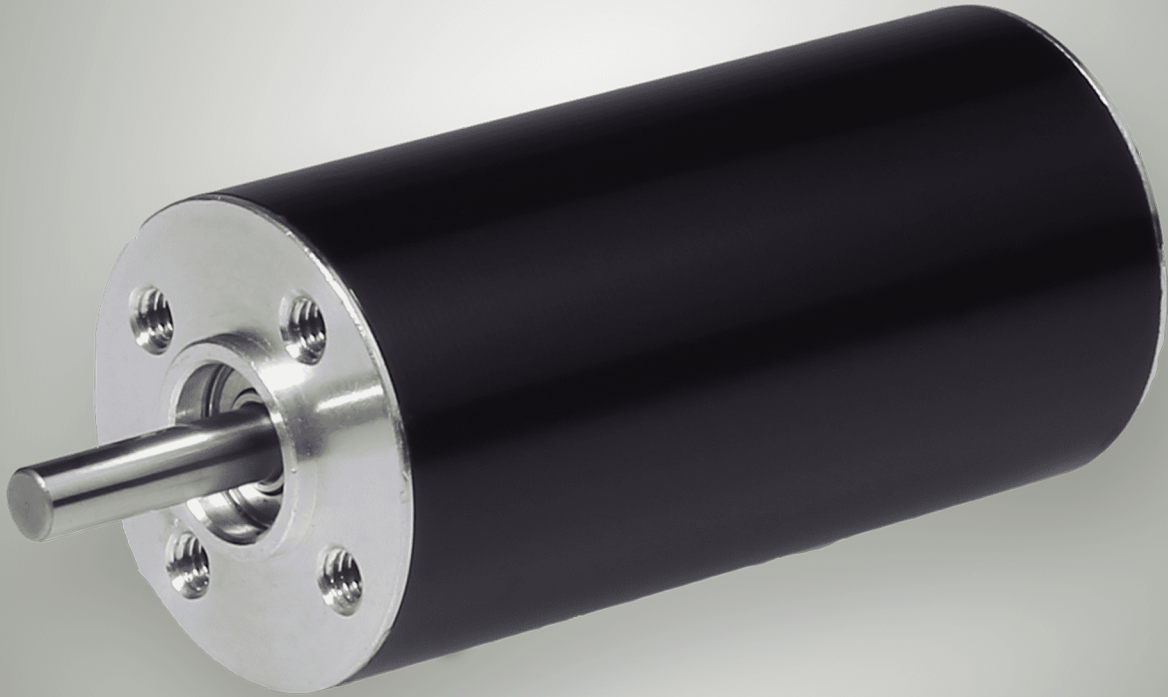




Controller – BLDC Controller

Controller – BLDC Controller

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LITE PRO

DC Servodrive



<https://www.kocomotion.de/produkt/lite-pro/>



DMR 50-550

Dual Axes Drives for Material Handling



<https://www.kocomotion.de/produkt/dmr-50-550/>



DMR 76-10/65

Digital Drive



<https://www.kocomotion.de/produkt/dmr-76-10-65/>



DMR PC-6/50

Dual Axes Drives



<https://www.kocomotion.de/produkt/dmr-pc-6-50/>



Drive BL

Smart single and three phase drives



<https://www.kocomotion.de/produkt/drive-bl/>



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Drive BL BL 4102-C

The BL servo drives support all our direct drive and brushless servomotors and all their available feedback. These single and three-phase smart and compact drives can be adapted very flexible to a variety of applications via simple parameterization. Numerous integrated software functions make the BL servo drives real all-rounders in drive technology.



<https://www.kocomotion.de/produkt/drive-bl-bl-4102-c/>



Specification	
Steuerspannung	24 VDC [$\pm 20\%$] (0,35 A) Zuzüglich Stromaufnahme einer evtl. vorhandenen Haltebremse und EA's
Zwischenkreisspannung	325 (bei UNetz = 230 VAC) VDC
Nennausgangsleistung	400 Watt
Max. Ausgangsleistung für 2 s	1 kW
Nennausgangsstrom	2 Aeff
Max. Ausgangsstrom für 2 s	6 Aeff
interner Bremswiderstand	75 Ω , max. 2 kW
Dauer- / Impulsleistung	8 W / 2 kW
Externer Bremswiderstand	75 Ω , max. 2 kW
Haltebremse	24 VDC, max. 2 A
Abmessungen Servoregler H x B x T	200 x 50 x 163 mm 245 x 50 x 163 mm mit Montageplatte
Gewicht	1.5 kg

Drive BL BL 4104-C

The BL servo drives support all our direct drive and brushless servomotors and all their available feedback. These single and three-phase smart and compact drives can be adapted very flexible to a variety of applications via simple parameterization. Numerous integrated software functions make the BL servo drives real all-rounders in drive technology.



<https://www.kocomotion.de/produkt/drive-bl-bl-4104-c/>



Specification	
Steuerspannung	24 VDC [$\pm 20\%$] (0,35 A) Zuzüglich Stromaufnahme einer evtl. vorhandenen Haltebremse und EA's
Zwischenkreisspannung	325 (bei UNetz = 230 VAC) VDC
Nennausgangsleistung	800 Watt
Max. Ausgangsleistung für 2 s	2 kW
Nennausgangsstrom	4 Aeff
Max. Ausgangsstrom für 2 s	12 Aeff
interner Bremswiderstand	75 Ω , max. 2 kW
Dauer- / Impulsleistung	8 W / 2 kW
Externer Bremswiderstand	75 Ω , max. 2 kW
Haltebremse	24 VDC, max. 2 A
Abmessungen Servoregler H x B x T	200 x 50 x 163 mm 245 x 50 x 163 mm mit Montageplatte
Gewicht	1.5 kg

Drive BL BL 4304-C

The BL servo drives support all our direct drive and brushless servomotors and all their available feedback. These single and three-phase smart and compact drives can be adapted very flexible to a variety of applications via simple parameterization. Numerous integrated software functions make the BL servo drives real all-rounders in drive technology.



<https://www.kocomotion.de/produkt/drive-bl-bl-4304-c/>



Specification	
Steuerspannung	24 VDC [$\pm 20\%$] (0,35 A) Zuzüglich Stromaufnahme einer evtl. vorhandenen Haltebremse und EA's
Zwischenkreisspannung	565 (bei UNetz = 400 VAC) VDC
Nennausgangsleistung	1600 Watt
Max. Ausgangsleistung für 2 s	4.8 kW
Nennausgangsstrom	4 Aeff
Max. Ausgangsstrom für 2 s	12 Aeff
interner Bremswiderstand	30 Ω
Dauer- / Impulsleistung	50 W / 24 kW
Externer Bremswiderstand	$\geq 30 \Omega$
Haltebremse	24 VDC, max. 2 A
Abmessungen Servoregler H x B x T	230 x 67 x 200 mm 275 x 67 x 200 mm mit Montageplatte
Gewicht	2.9 kg

Drive BL BL 4308-C

The BL servo drives support all our direct drive and brushless servomotors and all their available feedback. These single and three-phase smart and compact drives can be adapted very flexible to a variety of applications via simple parameterization. Numerous integrated software functions make the BL servo drives real all-rounders in drive technology.



<https://www.kocomotion.de/produkt/drive-bl-bl-4308-c/>



Specification	
Steuerspannung	24 VDC [$\pm 20\%$] (0,45 A) Zuzüglich Stromaufnahme einer evtl. vorhandenen Haltebremse und EA's
Zwischenkreisspannung	565 (bei UNetz = 400 VAC) VDC
Nennausgangsleistung	3200 Watt
Max. Ausgangsleistung für 2 s	9.6 kW
Nennausgangsstrom	8 Aeff
Max. Ausgangsstrom für 2 s	24 Aeff
interner Bremswiderstand	30 Ω
Dauer- / Impulsleistung	50 W / 24 kW
Externer Bremswiderstand	$\geq 30 \Omega$
Haltebremse	24 VDC, max. 2 A
Abmessungen Servoregler H x B x T	230 x 67 x 200 mm 275 x 67 x 200 mm mit Montageplatte
Gewicht	2.9 kg

Drive BL BL 4312-C

The BL servo drives support all our direct drive and brushless servomotors and all their available feedback. These single and three-phase smart and compact drives can be adapted very flexible to a variety of applications via simple parameterization. Numerous integrated software functions make the BL servo drives real all-rounders in drive technology.



<https://www.kocomotion.de/produkt/drive-bl-bl-4312-c/>



Specification	
Steuerspannung	24 VDC [$\pm 20\%$] (0,45 A) Zuzüglich Stromaufnahme einer evtl. vorhandenen Haltebremse und EA's
Zwischenkreisspannung	565 (bei UNetz = 400 VAC) VDC
Nennausgangsleistung	3200 Watt
Max. Ausgangsleistung für 2 s	9.6 kW
Nennausgangsstrom	8 Aeff
Max. Ausgangsstrom für 2 s	24 Aeff
interner Bremswiderstand	30 Ω
Dauer- / Impulsleistung	50 W / 24 kW
Externer Bremswiderstand	$\geq 30 \Omega$
Haltebremse	24 VDC, max. 2 A
Abmessungen Servoregler H x B x T	230 x 67 x 200 mm 275 x 67 x 200 mm mit Montageplatte
Gewicht	2.9 kg

S17-112503H

universal ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s17-112503h/>

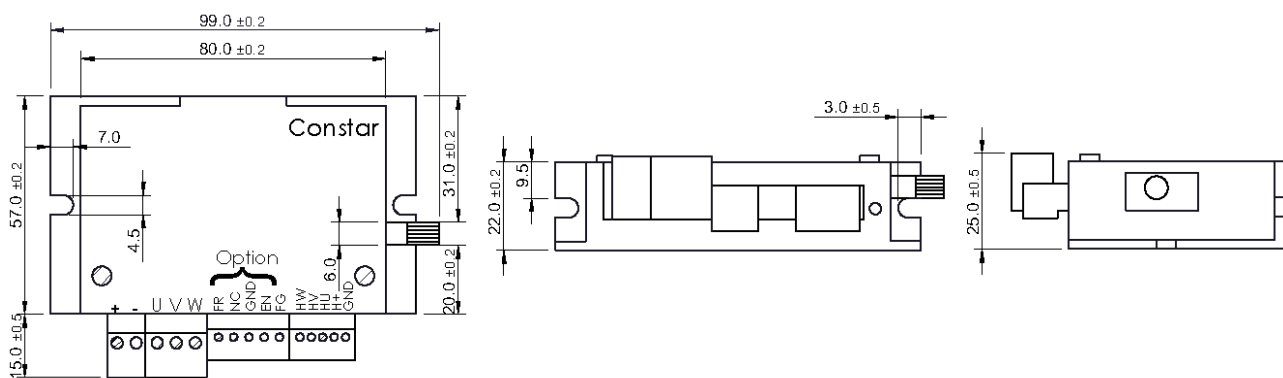


Produkte:

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S17-112503H

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S17-112503H

universal ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s17-112503h-2/>



Specification	
Contant current	3 A
Peak current(10s)	4.5 A
Input voltage range	11~25 V
Size	99*72*25 mm
Speed control signal	Analog voltage/PWM
Overload protection	Yes
Blockage protection	No
Thermal overload protection	Yes
Inverse-polarity protection	Yes
Sense of direction	Optional
Enable	Optional
Speed feedback output(6 pulses*pole pairs)	Optional
Operating temperature	-20~+60 °C
Sensorless or sensored	Sensored

Optionen

- special coils

Anwendungen

- blowers
- electric tools
- pumps

S17-114820H

universal ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s17-114820h/>

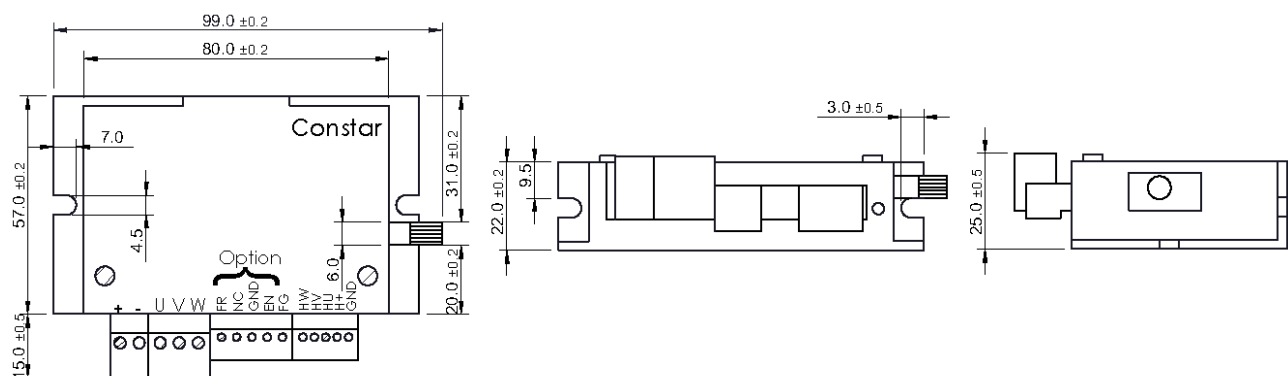


Produkte:

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S17-114820H

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S17-114820H

universal ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s17-114820h-2/>



Specification	
Contant Current	20 A
Peak Current(10s)	26 A
Input Voltage Range	11~48 V
Size	99*72*25 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	Yes
Blockage Protection	No
Thermal Overload Protection	Yes
Inverse-polarity Protection	Yes
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-
Sensored/Sensorless	Sensored

Anwendungen

- blowers
- electric tools
- pumps

S25-112503H-7054

universal ESC for sensed BLDC motor



<https://www.kocomotion.de/produkt/s25-112503h-7054/>

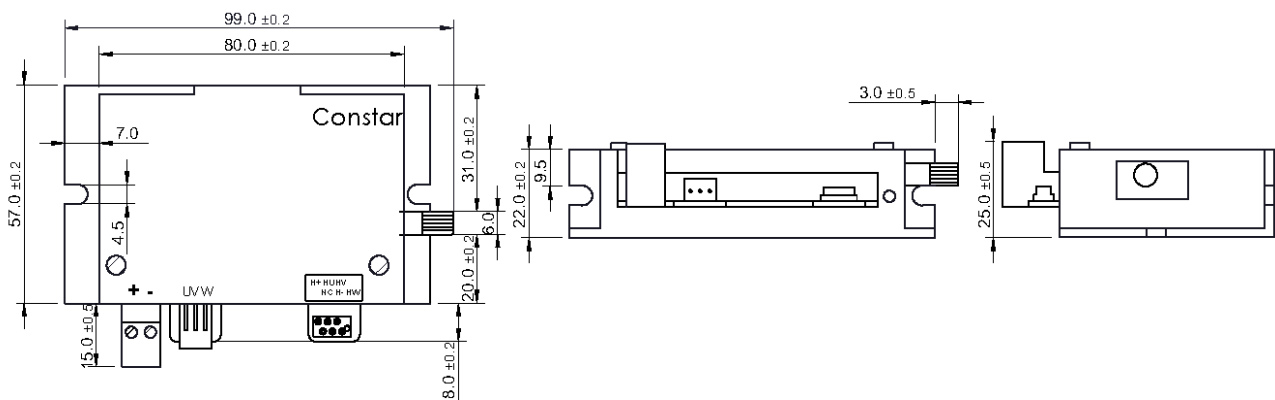


Produkte:

Seite

S25-112503H-7054

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S25-112503H-7054

universal ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s25-112503h-7054-2/>



Specification	
Contant Current	3 A
Peak Current(10s)	4.5 A
Input Voltage Range	11~25 V
Size	99*72*25 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	Yes
Blockage Protection	No
Thermal Overload Protection	Yes
Inverse-polarity Protection	Yes
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-
Sensored/Sensorless	Sensored

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

S13-071502H

compact ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s13-071502h/>

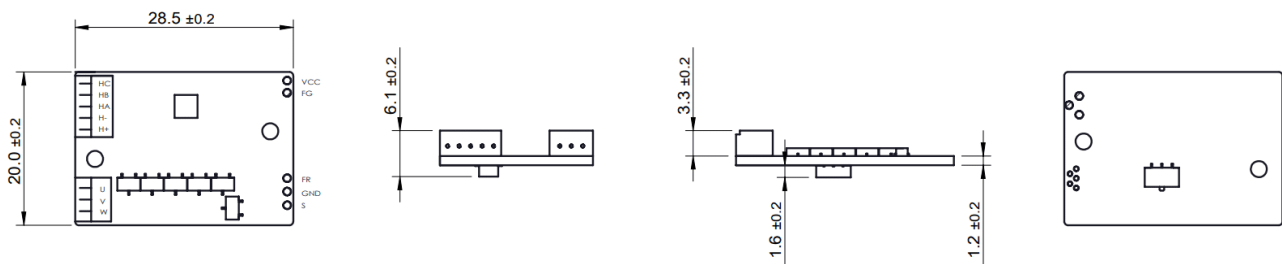


Produkte:

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S13-071502H

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S13-071502H

compact ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/s13-071502h-2/>



Specification	
Contant Current	2 A
Peak Current(10s)	3 A
Input Voltage Range	7~15 V
Size	28.5*20*6.1 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	No
Blockage Protection	Yes
Thermal Overload Protection	Yes
Inverse-polarity Protection	No
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-20 +60 °C
Sensored/Sensorless	Sensored

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

A18-154820H

compact ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/a18-154820h/>

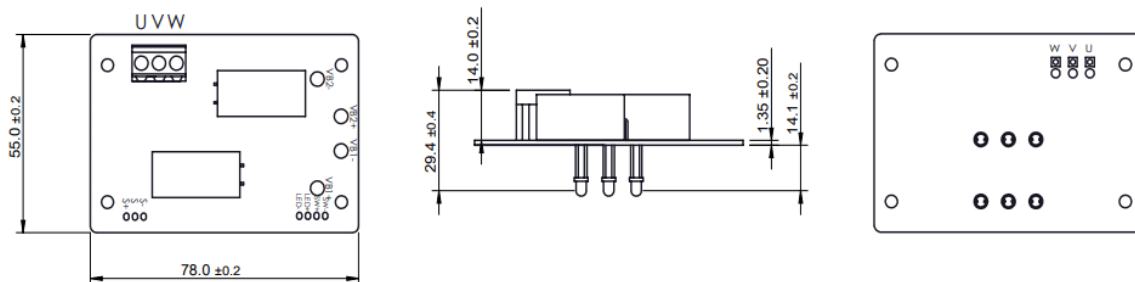


Produkte:

Seite

A18-154820H

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A18-154820H

compact ESC for sensored BLDC motor



<https://www.kocomotion.de/produkt/a18-154820h-2/>



Specification	
Contant Current	20 A
Peak Current(10s)	30 A
Input Voltage Range	15~48 V
Size	78*55*29.4 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	Yes
Blockage Protection	Yes
Thermal Overload Protection	Yes
Inverse-polarity Protection	No
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-20~+60 °C
Sensored/Sensorless	Sensored

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

Xs420

ESC for multi-rotor



<https://www.kocomotion.de/produkt/xs420/>

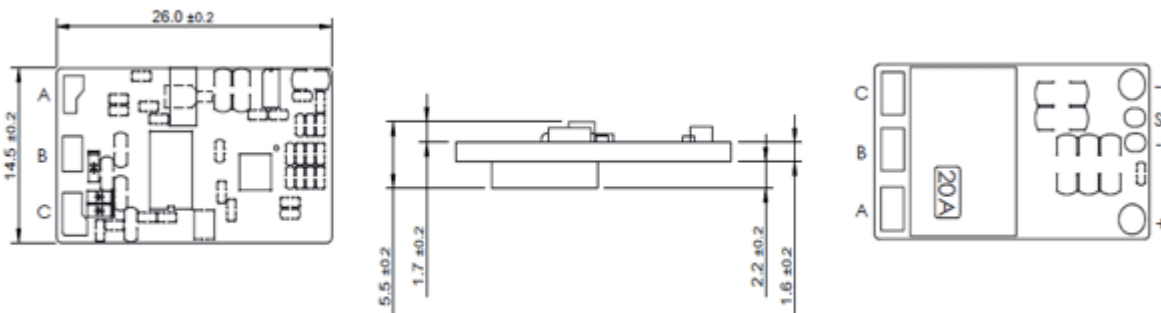


Produkte:

Seite

Xs420

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Xs420

ESC for multi-rotor



<https://www.kocomotion.de/produkt/xs420-2/>



Specification		
Contant Current		20 A
Peak Current(10s)		26 A
LiPo		2-4S
BEC		No
Weight		18.2 g
Size		26*14.5*5.5 mm

Optionen

- None

Anwendungen

- multi-rotor drones

Xs630

ESC for multi-rotor



<https://www.kocomotion.de/produkt/xs630/>

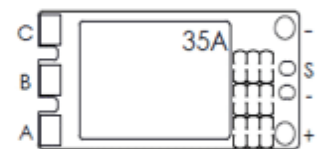
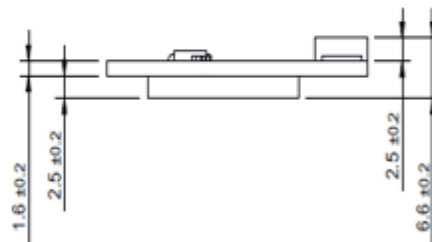
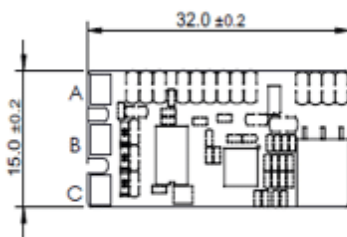


Produkte:

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Xs630

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Xs630

ESC for multi-rotor



<https://www.kocomotion.de/produkt/xs630-2/>



Specification		
Contant Current		30 A
Peak Current(10s)		39 A
LiPo		2-6S
BEC		No
Weight		45 g
Size		32*15*6.6 mm

Optionen

- None

Anwendungen

- multi-rotor drones

S17-112503

universal ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s17-112503/>

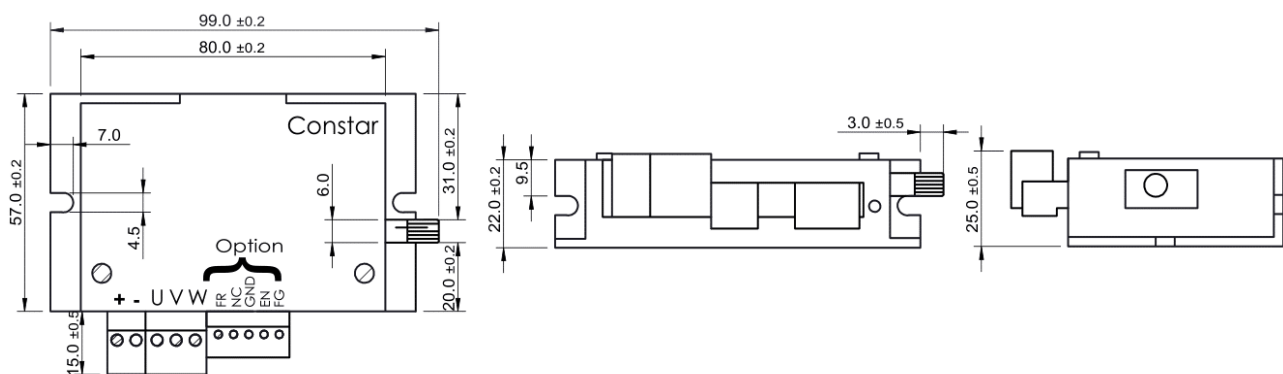


Produkte:

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S17-112503

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S17-112503

universal ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s17-112503-2/>



Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

S17-114820

universal ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s17-114820/>

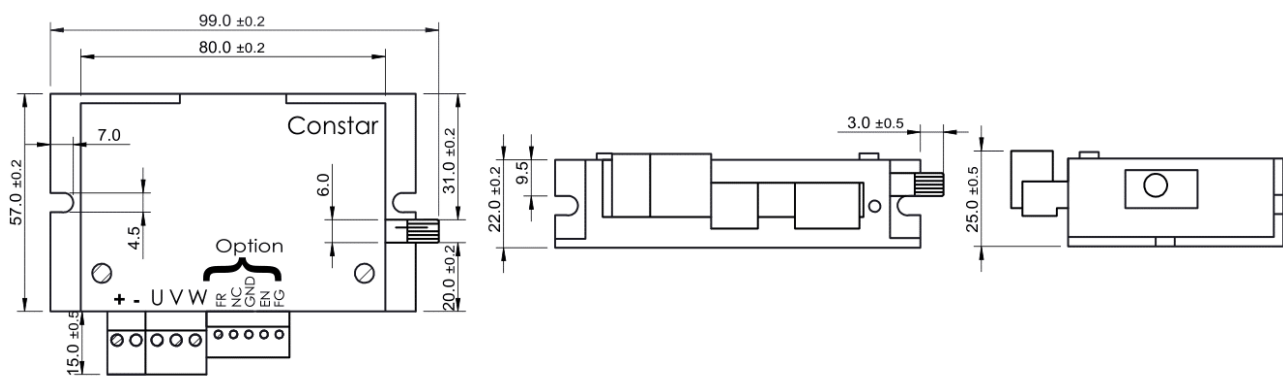


Produkte:

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S17-075020

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S17-075020

universal ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s17-075020/>



Specification	
Contant current	20 A
Peak current(10s)	26 A
Input voltage range	11~48 V
Size	99*72*25 mm
Speed control signal	Analog voltage/PWM
Overload protection	Yes
Blockage protection	Yes
Thermal overload protection	Yes
Inverse-polarity protection	Yes
Sense of direction	Optional
Enable	Optional
Speed feedback output(6 pulses*pole pairs)	Optional
Operating temperature	-20~+60 °C
Sensorless or sensored	Sensorless

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

S13-071502

compact ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s13-071502/>

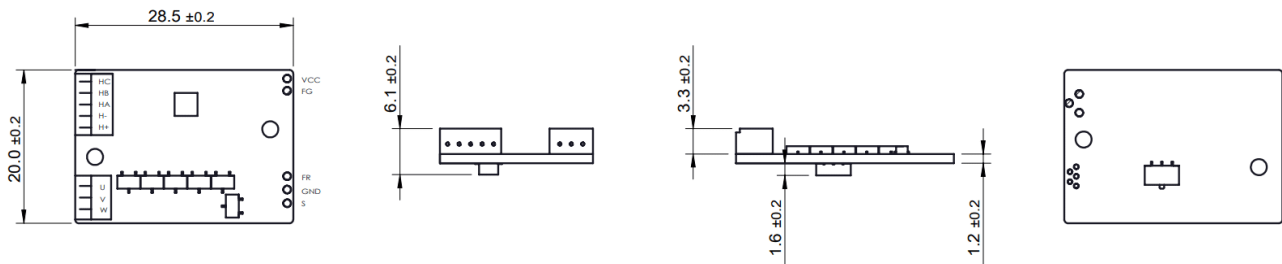


Produkte:

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S13-071502

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S13-071502

compact ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s13-071502-2/>



Specification	
Contant Current	2 A
Peak Current(10s)	3 A
Input Voltage Range	7~15 V
Size	28.5*20*6.1 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	No
Blockage Protection	Yes
Thermal Overload Protection	Yes
Inverse-polarity Protection	No
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-20~+60 °C
Sensored/Sensorless	Sensorless

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

S15-072510

compact ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s15-072510/>

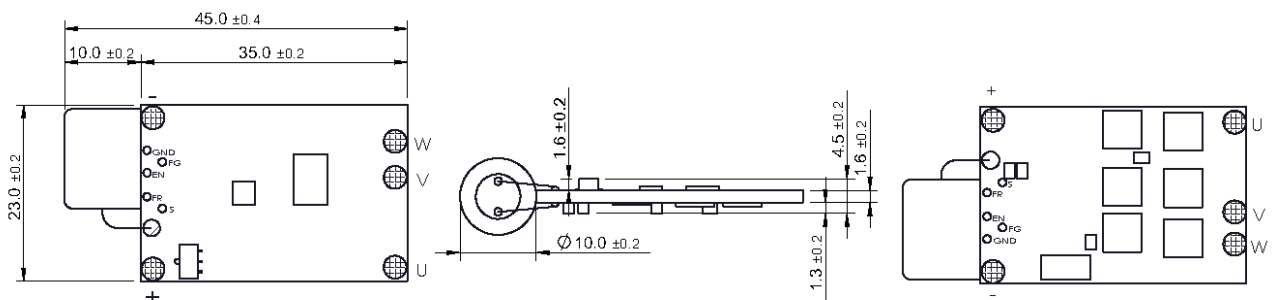


Produkte:

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S15-072510

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S15-072510

compact ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s15-072510-2/>



Specification	
Contant Current	10 A
Peak Current(10s)	15 A
Input Voltage Range	7~25 V
Size	45*23*10 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	Yes
Blockage Protection	Yes
Thermal Overload Protection	Yes
Inverse-polarity Protection	No
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-20~+60 °C
Sensored/Sensorless	Sensorless

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

S20-076015

compact ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s20-076015/>

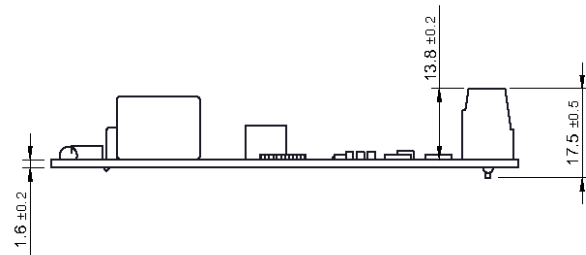
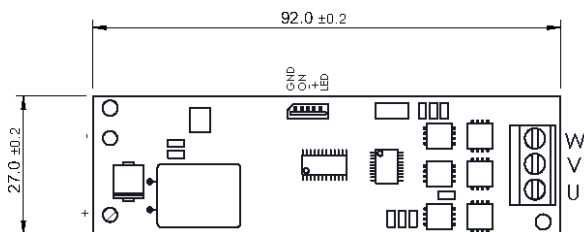


Produkte:

Seite

S20-076015

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S20-076015

compact ESC for sensorless BLDC motor



<https://www.kocomotion.de/produkt/s20-076015-2/>



Specification	
Contant Current	15 A
Peak Current(10s)	25 A
Input Voltage Range	7~25/15~60 V
Size	92*27*17.5 mm
Speed Control Signal	Analog Voltage/PWM
Overload Protection	Yes
Blockage Protection	Yes
Thermal Overload Protection	Yes
Inverse-polarity Protection	Yes
Sense of Direction	Optional
Enable	Optional
Speed Feedback Output (6 Pulses*Pole Pairs)	Optional
Operating Temperature	-20~+60 °C
Sensored/Sensorless	Sensorless

Optionen

- None

Anwendungen

- blowers
- electric tools
- pumps

Brushless DC Motor Electronics 1

KOCO offers wide range of Brushless DC Motor electronics for speed and position control. From low current to Maximum 30A, KOCO provides 4 different kinds of speed controller via RS485 and Analog command.



<https://www.kocomotion.de/produkt/brushless-dc-motor-electronics-1/>



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DS-OLBS2-FRS4

DS-OLBS2-FRS4 Manual


<https://www.kocomotion.de/produkt/ds-olbs2-frs4/>


Specification	
Adapted Motor	Less than 80W Brushless DC motor
Power Supply	12 – 24 VDC
Output Current	5 A
Speed Controlled Analog Voltage	0 – 5 V
Structure	Wall mounting
Cooling Method	Air cooling
Control Signal	Full isolation of input and output signals
Protections	Over voltage, under voltage, over current, over temperature, abnormal hall signal and other fault alarms
Communication Mode	RS-485 Multi-axes communication
Operating Temperature	0 ~ 45°C °C
Storage Temperature	-20 ~ 85°C °C
Operating Humidity	85% RH

DS-OLBS4-FRS4

DS-OLBS4-FRS4 Manual


<https://www.kocomotion.de/produkt/ds-olbs4-frs4/>


Specification	
Adapted Motor	Less than 200W Brushless DC motor
Power Supply	24 – 48 VDC
Output Current	10 A
Speed Controlled Analog Voltage	0 – 5 V
Structure	Wall mounting
Cooling Method	Air cooling
Control Signal	Full isolation of input and output signals
Protections	Over voltage, under voltage, over current, over temperature, abnormal hall signal and other fault alarms
Communication Mode	RS-485 Multi-axes communication
Operating Temperature	0 ~ 45°C °C
Storage Temperature	-20 ~ 85°C °C
Operating Humidity	85% RH

DS-OLBS6-FSC

DS-OLBS6-FSC Manual


<https://www.kocomotion.de/produkt/ds-olbs6-fsc/>


Specification	
Adapted Motor	Less than 400W Brushless DC motor
Power Supply	24 – 48 VDC
Output Current	15 A
Speed Controlled Analog Voltage	0 – 5 V
Structure	Wall mounting
Cooling Method	Air cooling
Control Signal	Full isolation of input and output signals
Protections	Over voltage, under voltage, over current, over temperature, abnormal hall signal and other fault alarms
Communication Mode	RS-485 Multi-axes communication
Operating Temperature	0 ~ 45°C °C
Storage Temperature	-20 ~ 85°C °C
Operating Humidity	85% RH

DS-OLBS8-FRS4

DS-OLBS8-FRS4 Manual


<https://www.kocomotion.de/produkt/ds-olbs8-frs4/>


Specification	
Adapted Motor	Less than 750W Brushless DC motor
Power Supply	24 – 48 VDC
Output Current	30 A
Speed Controlled Analog Voltage	0 – 5 V
Structure	Wall mounting
Cooling Method	Air cooling
Control Signal	Full isolation of input and output signals
Protections	Over voltage, under voltage, over current, over temperature, abnormal hall signal and other fault alarms
Communication Mode	RS-485 Multi-axes communication
Operating Temperature	0 ~ 45°C °C
Storage Temperature	-20 ~ 85°C °C
Operating Humidity	85% RH

DS-BVM-FCAO/FETC

DS-BVS-FCAO DS-BVM-FCAO EDS File software.zip



<https://www.kocomotion.de/produkt/ds-bvm-fcao-fetc/>



DS-BVS-FCAO/FETC

DS-BVS-FCAO DS-BVM-FCAO EDS File software.zip



<https://www.kocomotion.de/produkt/ds-bvs-fcao-fetc/>



Voice Coil Motor Electronics

KOCO offers wide range of Voice Coil Motor electronics for position control. Also KOCO provides CANOpen & EtherCAT based Mini Voice Coil Motor position control and Standard Voice Coil Motor position control solutions.



<https://www.kocomotion.de/produkt/voice-coil-motor-electronics/>



Produkte:

Seite

DS-BVM-FCAO/FETC

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DS-BVS-FCAO/FETC

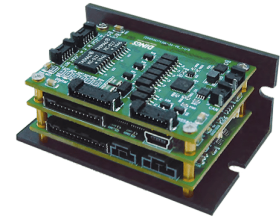
48

DS-BVM-FCAO/FETC

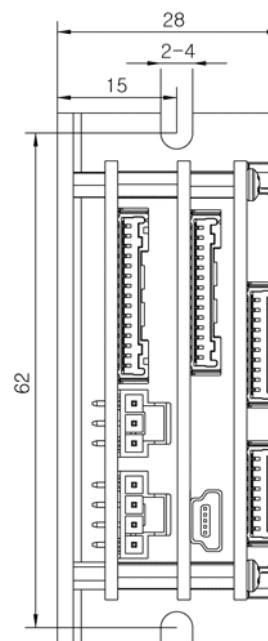
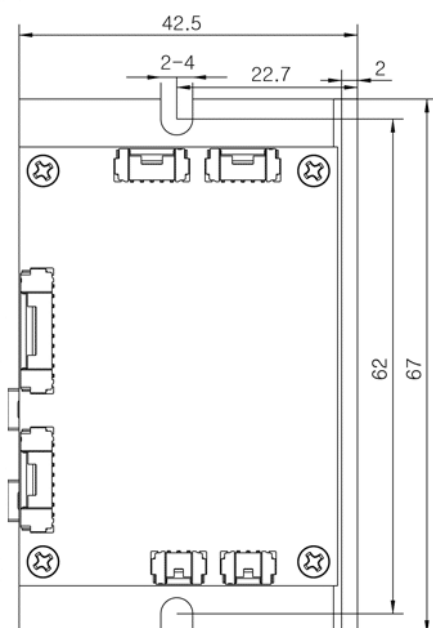
DS-BVM-FCAO /FETC Stand Alone Closed Loop - CANopen, EtherCAT



<https://www.kocomotion.de/produkt/ds-bvm-fcao-fetc-2/>



Specification	
Adapted Motor	DC / BLDC / PMSM / VCM
Current (Torque) Control	Control periodic 24KHz
Velocity & Position Control	Control periodic 2KHz
Reference Command	USB + CANopen or EtherCAT (CoE, FoE)
Auto Tuning	Automatic self-configuration and optimization of motor phasing, wires, current loop, velocity control loop.
User Interface	GUI : Servo studio, Setting, Drive, Motor, Feedback, I/O, Motion
Protective Functions	Under-and over-voltage, Over-current, Over-load (with PT), Drive over-temperature, Feedback sensor signal lost
Ambient temperature	0 ~ 45 °C
Storage Temperature	0 ~ 70 °C
Operating Humidity	10 ~ 90% RH



DS-BVS-FCAO/FETC

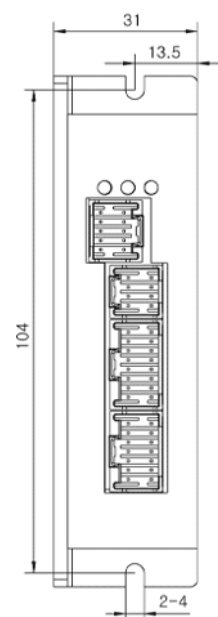
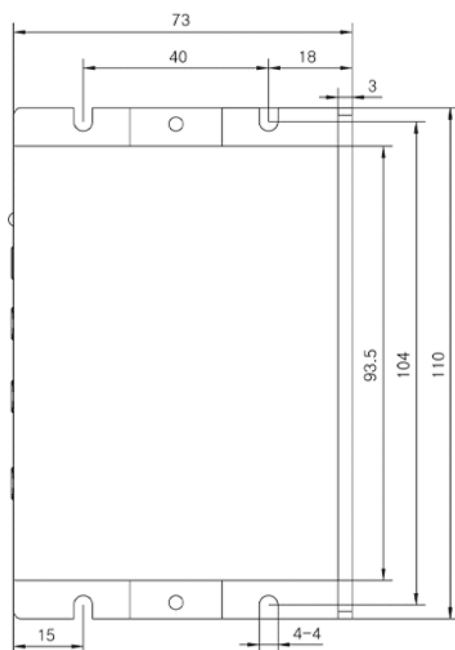
DS-BVS-FCAO/ FETC Stand Alone Closed Loop - CANopen, EtherCAT



<https://www.kocomotion.de/produkt/ds-bvs-fcao-fetc-2/>



Specification	
Adapted Motor	DC / BLDC / PMSM / VCM
Current (Torque) Control	Control periodic 24KHz
Velocity & Position Control	Control periodic 2KHz
Reference Command	USB + CANopen or EtherCAT (CoE, FoE)
Auto Tuning	Automatic self-configuration and optimization of motor phasing, wires, current loop, velocity control loop.
User Interface	GUI : Servo studio, Setting, Drive, Motor, Feedback, I/O, Motion
Protective Functions	Under-and over-voltage, Over-current, Over-load (with PT), Drive over-temperature, Feedback sensor signal lost
Ambient temperature	0 ~ 45 °C
Storage Temperature	0 ~ 70 °C
Operating Humidity	10 ~ 90% RH



Brushless DC Motor Electronics 2

KOCO offers wide range of Brushless DC Motor electronics for speed and position control. From low current to Maximum 30A, KOCO provides 4 different kinds of speed controller via RS485 and Analog command.



<https://www.kocomotion.de/produkt/brushless-dc-motor-electronics-2/>



Produkte:

Seite

DS-BVM-FCAO/FETC

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DS-BVS-FCAO/FETC

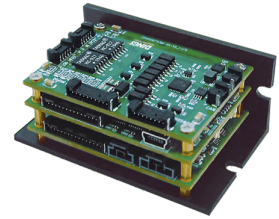
52

DS-BVM-FCAO/FETC

KOCO offers wide range of Brushless DC Motor electronics for speed and position control. From low current to Maximum 30A, KOCO provides 4 different kinds of speed controller via RS485 and Analog command.



<https://www.kocomotion.de/produkt/ds-bvm-fcao-fetc-3/>



Specification	
Adapted Motor	DC / BLDC / PMSM / VCM
Current (Torque) Control	Control periodic 24KHz
Velocity & Position Control	Control periodic 2KHz
Reference Command	USB + CANopen or EtherCAT (CoE, FoE)
Auto Tuning	Automatic self-configuration and optimization of motor phasing, wires, current loop, velocity control loop.
User Interface	GUI : DINGS' servo studio, Setting, Drive, Motor, Feedback, I/O, Motion
Protective Functions	Under-and over-voltage, Over-current, Over-load (with PT), Drive over-temperature, Feedback sensor signal lost
Ambient temperature	0 ~ 45 °C
Storage Temperature	0 ~ 70 °C
Operating Humidity	10 ~ 90% RH

DS-BVS-FCAO/FETC

KOCO offers wide range of Brushless DC Motor electronics for speed and position control. From low current to Maximum 30A, KOCO provides 4 different kinds of speed controller via RS485 and Analog command.



<https://www.kocomotion.de/produkt/ds-bvs-fcao-fetc-3/>



Specification	
Adapted Motor	DC / BLDC / PMSM / VCM
Current (Torque) Control	Control periodic 24KHz
Velocity & Position Control	Control periodic 2KHz
Reference Command	USB + CANopen or EtherCAT (CoE, FoE)
Auto Tuning	Automatic self-configuration and optimization of motor phasing, wires, current loop, velocity control loop.
User Interface	GUI : DINGS' servo studio, Setting, Drive, Motor, Feedback, I/O, Motion
Protective Functions	Under-and over-voltage, Over-current, Over-load (with PT), Drive over-temperature, Feedback sensor signal lost
Ambient temperature	0 ~ 45 °C
Storage Temperature	0 ~ 70 °C
Operating Humidity	10 ~ 90% RH



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