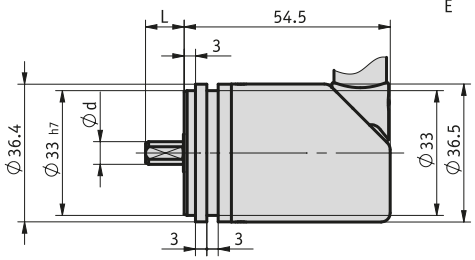
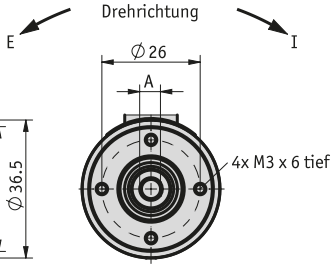
Profile

- CANopen (DS406) or SAE J1939 interface
- Extremely compact design with ø36 mm flange
- Single turn or multiturn variant available
- E1 approval by the German Federal Motor Transport Authority (KBA) pending
- Protection class up to IP6K9K
- with PURE.MOBILE technology

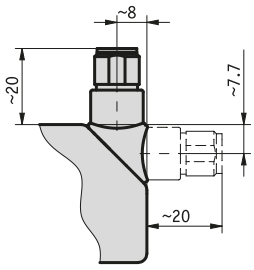
Montageart M4 / Wellenausführung 6x10



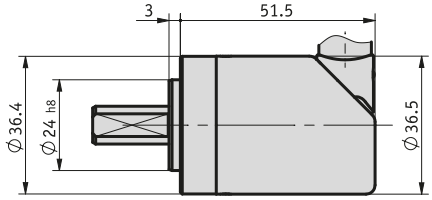
Drehrichtung

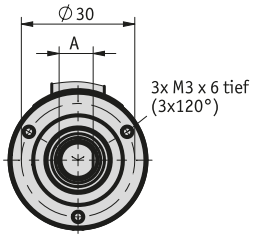


Anschlussart E12E

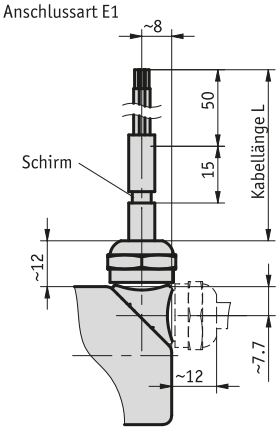


Montageart M3 / Wellenausführung 10x20

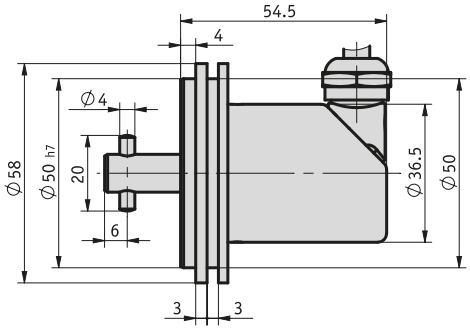


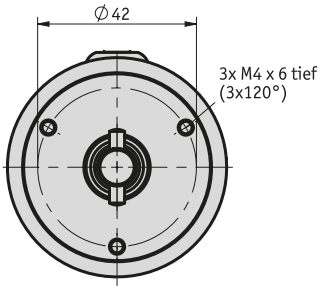


Anschlussart E1

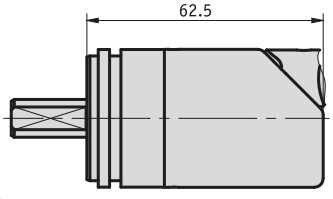


Montageart M2 / Wellenausführung S4/10x20

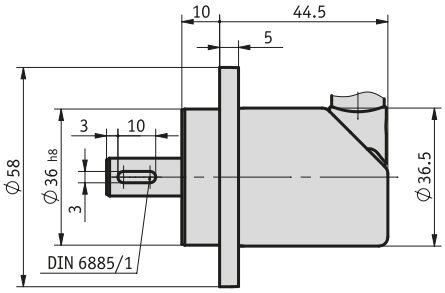


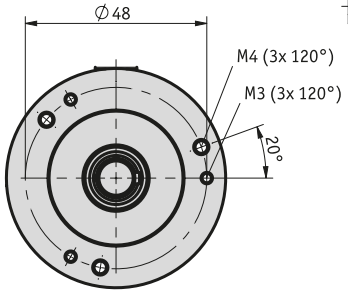


Schutzart IP6K9K



Montageart M1/ Wellenausführung N3/10x20





Wellenausführung	ød	L	A
6x10	6 g7	10	5.5
10x20	10 g7	20	9
S4/10x20	10 g6	20	-
N3/10x20	10 g7	20	-

Mechanical data

Feature	Technical data	Additional information
shaft	rustproof stainless steel	
Flange	aluminum	
Housing	rustproof stainless steel	
Speed	≤6000 min-1	with protection class IP65
	≤3000 min-1	with protection classes IP67 and IP6K9K
Moment of inertia	3.5 gcm²	
	4 gcm²	with protection class IP6K9K
Starting torque	≤2 Ncm at 20 °C	
Shaft load rating	≤60 N	radial
	≤40 N	axial
	≤200 N with protection class IP6K9K	radial
	≤200 N with protection class IP6K9K	axial

Electrical data

Feature	Technical data	Additional information
Operating voltage	8 ... 36 V DC	reverse polarity protection
Power input	≤1 W at 36 V	without load
Parameter storage	10^5 cycles	also applies to calibration operations
Status display	1x two-color LEDs (red/green)	Device/CAN status
Power rating	±36 V	CAN interface
Interface	according to ISO 11898-1, not electrically isolated	CANopen
	according to ISO 11898-1, not electrically isolated	SAE J1939 Safety
Address	1 ... 127	CANopen, CANopen Safety
	128 ... 238	SAE J1939 Safety
Baud rate	20 kbit/s	CANopen
	50 kbit/s	CANopen
	125 kbit/s	CANopen, SAE J1939
	250 kbit/s	CANopen, SAE J1939
	500 kbit/s	CANopen, SAE J1939
	800 kbit/s	CANopen
	1 Mbit/s	CANopen
Cycle time	<10 ms	
Starting time	<1000 ms	
Parameter	according to CiA 301, CiA 303 Part 3, CiA 305, CiA 406	CANopen
	according to SAE J1939-76	SAE J1939 Safety
Type of connection	1x M12-plug connector (A-coded)	5-pin, 1x pin (E12E connection type)
	open cable end	Stranded wire cross-section 0.5 mm² (E1 connection type)

System data

Feature	Technical data	Additional information
Scanning	magnetic	
Resolution	14 bit	singleturn, 16384 steps/revolution
Measuring range	1 rotation(s)	singelturn
	4096 rotation(s)	12 bit
	65536 rotation(s)	16 bit

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	-40 ... 85 °C	
Storage temperature	-40 ... 85 °C	
Relative humidity	100 %	condensation admissible
Protection category	IP65	EN 60529
	IP67, IP6K9K	EN 60529, ISO 20653, according to assembly instructions and with suitable mating connector
	IP6K9K	ISO 20653
Salt spray test	severity level 4	EN 60068-2-52, installed according to assembly instructions and with suitable mating connector

pin assignment

E12E

Signal	PIN
nc	1
+UB	2
GND	3
CAN_H	4
CAN_L	5

E1

Signal	Cable color
nc	white
+UB	brown
GND	green
CAN_H	yellow
CAN_L	gray

Order

Ordering table

Feature	Ordering data		Spezifikation	Additional information
interface/protocol	A	CAN	CANopen	
		J1939	SAE J1939	
number of revolutions	B	1	singleturn	
		4096	12 bit	
		65536	16 bit	
shaft diameter x length	C	10x20	ø10 mm x 20 mm	
		6x10	ø6 mm x 10 mm	
		N3/10x20	ø10 mm x 20 mm, feather key	
		S4/10x20	ø10 mm x 20 mm, grooved pin	
Mounting type	D	M1	clamping flange joint ø58 mm	
		M2	servo flange ø58 mm	
		M3	clamping flange joint ø36 mm	
		M4	servo flange ø36 mm	
Protection category	E	IP65	IP65	
		IP67	IP67	
		IP6K9K	IP6K9K	only with shaft diameter 10
position of electrical connection	F	A	axial	
		R	radial	
Type of connection	G	E1	open cable end	
		E12E	Bus IN	
Cable length	H	OK	without cable	only with connection type E12E
		...	01.0, 02.0, 03.0, 05.0, 10.0 in m	only with connection type E1

Order key

WV3600M - [A] - 16384 - [B] - [C] - [D] - [E] - [F] - [G] - [H] - S

Scope of delivery:
WV3600M, Quick Start Guide

Accessories you can find:

Cable extension KV05S0	www.siko-global.com
Overview, Mating connector	www.siko-global.com
Mating connector, 5-pole, angle socket	Order key 83006
Mating connector, 5-pole, socket	Order key 84109