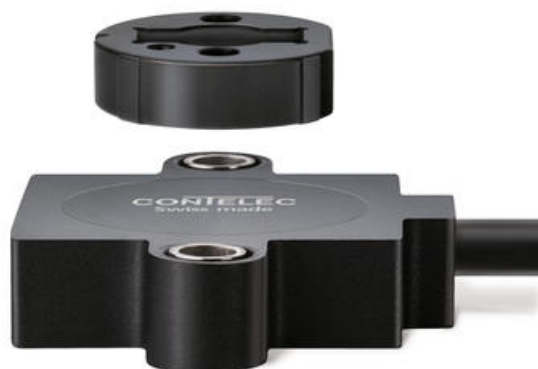


BERØRINGSFRI VINKELGIVER VERT-X-31E

VERT-X 31E MH-C
VERT-X 31E MH-C

- Radiell og aksial toleranse
- Meget lang mekanisk levetid
- Høy nøyaktighet
- Egnet til trange installasjoner
- Hus av plast



PRODUKTBESKRIVELSE

Vert-X 31E er en berøringsfri / kontaktløs vinkelgeber / vinkelsensor, med høy toleranse.

Med sin beskjedne størrelse og store spenn i mulige utganger kan du skreddersy vinkelgeberen til din applikasjon. Sensoren monteres på fast del og magneten på bevegelig del. Ingen radiell eller aksial belastning medfører meget lang mekanisk levetid.

For bestilling, benytt nøkkel og/eller kontakt oss.

Vert-X 31E 5 V 10..90 Ub

Output characteristics		
Positive gradient CW	Standard	1
Positive gradient CCW	Optional	2
Redundant, positive gradient CW	Optional	3
Redundant, positive gradient CCW	Optional	4
Redundant, crossed signal curves	Optional	5
Positive gradient CW with 1 switch output*	Optional	A
Positive gradient CCW with 1 switch output*	Optional	B
Positive gradient CW with 2 switch outputs*	Optional	C
Positive gradient CCW with 2 switch outputs*	Optional	D
Sense of rotation settable	Optional	E
Zero point & sense of rotation settable	Optional	F
Middle point & sense of rotation settable	Optional	G
Start + end point & sense of rotation settable	Optional	H
Programmable with Vert-X EasyAdapt	Optional	P
Output signal		
10% ... 90% Ub	Standard	2
x% ... y% Ub (within 5 ... 95%)	Optional	3
Power supply voltage		
SVDC	Standard	2
Electrical connection		
4	Standard	Cable 3pole
6	Optional	Cable 6pole
9	Optional	Special cable ; Special wires
Length of cable		
02	Standard	1.0m
06	Optional	3.0m
10	Optional	5.0m
99	Optional	Special length

Vert-X	3	1	E	6	a	7	3	6	2	2	1	4	0	2
Electrical angle														
36	Standard	Electrical angle 360°												
xx	Optional	03 to 35; Declaration in 10° steps												
99	Optional	Special angle												
Sensor principle														
7	MH-C													
8	MH-C2													
Mounting hole														
a	Standard	Through-hole ø 4.4mm												
b	Optional	Through-hole ø 4.4mm with counterbore ø 7.4mm												
Mechanical version														
31E5	Standard	Magnetic actuator type 5												
31E6	Standard	Magnetic actuator type 6												
31E7	Optional	Magnetic actuator type 7												
31E9	Optional	Special magnetic actuator												

Vert-X 31E 5 V / PWM

												Output characteristics		
												Positive gradient CW	Standard	1
												Positive gradient CCW	Optional	2
												Redundant, positive gradient CW	Optional	3
												Redundant, positive gradient CCW	Optional	4
												Redundant, crossed signal curves	Optional	5
												Electrical connection		
												4	Standard	Cable 3pol
												6	Optional	Cable 6pol
												9	Optional	Special cable ; Special wires
												Length of cable		
												02	Standard	1.0m
												06	Optional	3.0m
												10	Optional	5.0m
												99	Optional	Special length
												Output signal		
												PWM	Standard	4
												Power supply voltage		
												5VDC	Standard	2
Vert-X	3	1	E	6	a	7	3	6	2	4	1	4	0	2
												Electrical angle		
												36	Standard	Electrical angle 360°
												xx	Optional	03 to 35; Declaration in 10° steps
												99	Optional	Special angle
												Sensor principle		
												7	MH-C	
												Mounting hole		
												a	Standard	Through-hole ø 4.4mm
												b	Optional	Through-hole ø 4.4mm with counterbore ø 7.4mm
												Mechanical version		
												31E5	Standard	Magnetic actuator type 5
												31E6	Standard	Magnetic actuator type 6
												31E7	Optional	Magnetic actuator type 7
												31E9	Optional	Special magnetic actuator

Vert-X 31E 5 V / SPI

												Output characteristics		
												Positive gradient CW	Standard	1
												Positive gradient CCW	Optional	2
												Redundant, positive gradient CW	Optional	3
												Redundant, positive gradient CCW	Optional	4
												Redundant, crossed signal curves	Optional	5
												Electrical connection		
												1	Optional	Cable 10pol
												6	Standard	Cable 6pol
												9	Optional	Special cable ; Special wires
												Length of cable		
												02	Standard	1.0m
												06	Optional	3.0m
												10	Optional	5.0m
												99	Optional	Special length
												Output signal		
												SPI	Standard	8
												Power supply voltage		
												SVDC	Standard	2
Vert-X	3	1	E	6	a	7	3	6	2	8	1	6	0	2
												Electrical angle		
												36	Standard	Electrical angle 360°
												xx	Optional	03 to 35; Declaration in 10° steps
												99	Optional	Special angle
												Sensor principle		
												7	MH-C	
												Mounting hole		
												a	Standard	Through-hole ø 4.4mm
												b	Optional	Through-hole ø 4.4mm with counterbore ø 7.4mm
												Mechanical version		
												31E5	Standard	Magnetic actuator type 5
												31E6	Standard	Magnetic actuator type 6
												31E7	Optional	Magnetic actuator type 7
												31E9	Optional	Special magnetic actuator

Vert-X 31E 24 V / 0,1-10 V

Output characteristics									
	Positive gradient CW	Standard	1						
	Positive gradient CCW	Optional	2						
	Positive gradient CW with 1 switch output*	Optional	A						
	Positive gradient CCW with 1 switch output*	Optional	B						
	Positive gradient CW with 2 switch outputs*	Optional	C						
	Positive gradient CCW with 2 switch outputs*	Optional	D						
	Sense of rotation settable	Optional	E						
	Zero point & sense of rotation settable	Optional	F						
	Middle point & sense of rotation settable	Optional	G						
	Start + end point & sense of rotation settable	Optional	H						
	Programmable with Vert-X EasyAdapt	Optional	P						
					</				

Output characteristics / Output driver										Electrical connection				
TTL (A,B,Z)		Standard		1				1		Optional	Cable 10pole			
TTL (A,B)		Optional		2				6		Standard	Cable 6pole			
Differential RS-422 (A,A',B,B',Z,Z')		Optional		3				8		Optional	Cable 4pole			
Differential RS-422 (A,A',B,B')		Optional		4				9		Optional	Special cable			
Open collector (A,B,Z)		Optional		7										
Open collector (A,B)		Optional		8										
Special output driver		Optional		9										
Output signal										Length of cable				
Incremental		Standard		7				02		Standard	1.0m			
								06		Optional	3.0m			
								10		Optional	5.0m			
								99		Optional	Special length			
Power supply voltage														
SVDC		Standard		2										
Vert-X	3	1	E	5	a	6	3	6	2	7	1	6	0	2
										Electrical angle				
		36		Standard						Electrical angle 360°				
										Sensor principle				
		6		MH-X2										
										Mounting hole				
		a		Standard						Through-hole ø 4.4mm				
		b		Optional						Through-hole ø 4.4mm with counterbore ø 7.4mm				
Mechanical version														
31E5		Standard								Magnetic actuator type 5				
31E6		Standard								Magnetic actuator type 6				
31E7		Optional								Magnetic actuator type 7				
31E9		Optional								Special magnetic actuator				

Output characteristics / Output driver										Electrical connection		
TTL (A,B,Z)		Standard		1		1		Optional		Cable 10pole		
TTL (A,B)		Optional		2		2		Standard		Cable 6pole		
Differential RS-422 (A,A',B,B',Z,Z')		Optional		3		3		Optional		Cable 4pole		
Differential RS-422 (A,A',B,B')		Optional		4		4		Optional		Special cable		
Push-Pull/HTL (A,B,Z)		Standard		5		5						
Push-Pull/HTL (A,B)		Optional		6		6						
Open collector (A,B,Z)		Optional		7		7						
Open collector (A,B)		Optional		8		8						
Special output driver		Optional		9		9						
Output signal										Length of cable		
Incremental		Standard		7		7				02 Standard 1.0m		
Power supply voltage										06 Optional 3.0m		
24VDC		Standard		1		1				10 Optional 5.0m		
Vert-X 3 1 E 5 a 6 3 6 1 7 5 6 0 2										99 Optional Special length		
Electrical angle												
36		Standard								Electrical angle 360°		
Sensor principle												
6		MH-X2										
Mounting hole												
a		Standard								Through-hole ø 4.4mm		
b		Optional								Through-hole ø 4.4mm with counterbore ø 7.4mm		
Mechanical version												
31E5		Standard								Magnetic actuator type 5		
31E6		Standard								Magnetic actuator type 6		
31E7		Optional								Magnetic actuator type 7		
31E9		Optional								Special magnetic actuator		

IP-klasse	IP68
Måleområde	0-360°
Oppløsning	12 bit
Repeterbarhet	0,1 °
Sampling Rate Fast Operation	14 mA
Sampling Rate Slow Operation	9 mA
Temperaturområde fra	-40 °C
Temperaturområde til	85 °C

