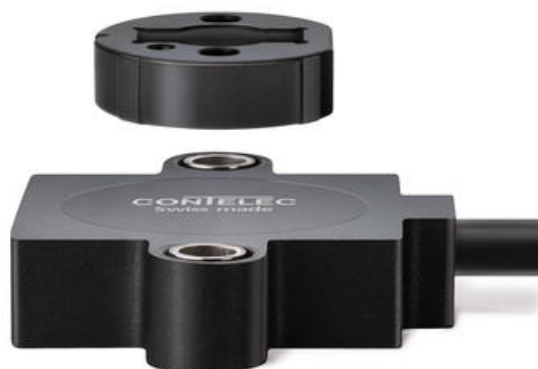


BERÖRINGSFRI VINKELGIVARE VERT-X 31E

VERT-X 31E MH-C2

- Hög mätnoggrannhet
- Obegränsad mekanisk livslängd
- Radial och axial tolerans



PRODUKTBESKRIVNING

Vert-X 31E - Beröringsfri vinkelgivare med hög tolerans

Med fysiskt litet mått och mycket flexibla utgångsmöjligheter skräddarsyr du enkelt din karaktär på givaren

Givaren monteras på fast del och magneten på rörlig del. Ingen radial eller axial belastning ger oändlig mekanisk livslängd. Välj på ett antal olika magneter helt beroende på just dina behov av avstånd och funktion.

För beställning, använd nedan beställningsnycklar och/eller kontakta 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							
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							
Power supply voltage									
5VDC	Standard	2							
Output signal									
10% ... 90% Ub	Standard	2							
x% ... y% Ub (within 5 ... 95%)	Optional	3							
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							

												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		
												5VDC	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		
												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
												Output signal		
												SPI	Standard	8
												Power supply voltage		
												24VDC	Standard	1
												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
Vert-X	3	1	E	6	a	7	3	6	1	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 5 V / SSI

												Output characteristics / Output driver		
												TTL	Standard	1
												Differential RS-485	Optional	3
												Output signal		
												SSI	Standard	6
												Power supply voltage		
												5VDC	Standard	2
												Electrical connection		
												6	Optional	Cable 6pole
												8	Standard	Cable 4pole
												9	Optional	Special cable
												Length of cable		
												02	Standard	1.0m
												06	Optional	3.0m
												10	Optional	5.0m
												99	Optional	Special length
Vert-X	3	1	E	5	a	6	3	6	2	6	1	8	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

Vert-X 31E 24 V / SSI

												Output characteristics / Output driver		
												TTL	Standard	1
												Differential RS-485	Optional	3
												Output signal		
												SSI	Standard	6
												Power supply voltage		
												24VDC	Standard	1
												Electrical connection		
												6	Optional	Cable 6pole
												8	Standard	Cable 4pole
												9	Optional	Special cable
												Length of cable		
												02	Standard	1.0m
												06	Optional	3.0m
												10	Optional	5.0m
												99	Optional	Special length
Vert-X	3	1	E	5	a	6	3	6	1	6	1	8	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

Vert-X 31E 5 V / Incremental

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				

[illegible]

IP-klass	IP68
Mätområde	0-360°
Repeterbarhet	0,1 °
Samplingshastighet långsam drift	10 mA
Samplingshastighet snabb drift	15 mA
Temperaturområde från	-40 °C

Upplösning

85 °C

14 bit

