

BERØRINGSFRI VINKELGIVER VERT-X 27E

VERT-X 27E MH-C
VERT-X 27E MH-C

- Berøringsfri måleteknologi
- Meget lang mekanisk levetid
- Høy nøyaktighet
- Egnet til trange installasjoner
- Hus av aluminium



PRODUKTBESKRIVELSE

Vert-X 27E er en robust, kontaktløs / berøringsfri, sensor med hus laget av aluminium. Den har en IP-klasse opp til 68k.

Brukes gjerne til posisjonering, og er utmerket under trange installasjonsforhold. For eksempel til ventilstyring, nivåsensorer og mobile applikasjoner.

For bestilling, bruk nøkkelen under og/eller kontakt oss.

Vert-X 27E 5 V 10...90 Ub

Output characteristics		Electrical connection / axial	
Positive gradient CW	Standard 1	3	Optional Wires 4pole
Positive gradient CCW	Optional 2	5	Standard Wires 3pole
Redundant, positive gradient CW	Optional 3	7	Optional Wires 6pole
Redundant, positive gradient CCW	Optional 4	9	Optional Special cable ; special wires
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 / radial	
		4	Standard Round cable 3pole
		6	Optional Round cable 6pole
		9	Optional Special cable ; special wires
		Length of wires	
		01	Optional 10cm
		03	Optional 30cm
		05	Standard 50cm
		99	Optional Special length
		Length of cable	
		02	Standard 1.0m
		06	Optional 3.0m
		10	Optional 5.0m
		99	Optional Special length
Output signal			
10% ... 90% Ub	Standard 2		
x% ... y% Ub (within 5 ... 95%)	Optional 3		
Power supply voltage			
SVDC	Standard 2		
Vert-X 2 7 E 2 7 3 6 2 2 1 5 0 5			
		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
Mechanical version			
27E1	Optional	Servo mount size 11 ; magnetic actuator type 1	
27E2	Standard	Servo mount size 11 ; magnetic actuator type 2	
27E9	Optional	Special housing ; special magnetic actuator	

Vert-X 27E 5 V PWM

		Output characteristics				Electrical connection / axial							
		Positive gradient CW	Standard	1			3 Optional Wires 4pole						
		Positive gradient CCW	Optional	2			5 Standard Wires 3pole						
		Redundant, positive gradient CW	Optional	3			7 Optional Wires 5pole / 6pole						
		Redundant, positive gradient CCW	Optional	4			9 Optional Special cable ; special wires						
		Redundant, crossed signal curves	Optional	5									
		Output signal				Electrical connection / radial							
		PWM	Standard	4			4 Standard Round cable 3pole						
		Power supply voltage				6 Optional Round cable 6pole							
		5VDC	Standard	2			9 Optional Special cable ; special wires						
Vert-X	2	7	E	2	7	3	6	2	4	1	5	0	5
		Electrical angle				Length of wires							
		36	Standard	Electrical angle 360°		01 Optional 10cm							
		xx	Optional	03 to 35; Declaration in 10° steps		03 Optional 30cm							
		99	Optional	Special angle		05 Standard 50cm							
		Sensor principle				99 Optional Special length							
		7	MH-C				Length of cable						
		Mechanical version				02 Standard 1.0m							
		27E1	Optional	Servo mount size 11 ; magnetic actuator type 1		06 Optional 3.0m							
		27E2	Standard	Servo mount size 11 ; magnetic actuator type 2		10 Optional 5.0m							
		27E9	Optional	Special housing ; special magnetic acuator		99 Optional Special length							

Vert-X 27E 5 V SPI

		Output characteristics				Electrical connection / axial							
		Positive gradient CW	Standard	1			2 Optional Wires 10pole						
		Positive gradient CCW	Optional	2			7 Standard Wires 5pole / 6pole						
		Redundant, positive gradient CW	Optional	3			9 Optional Special cable ; special wires						
		Redundant, positive gradient CCW	Optional	4									
		Redundant, crossed signal curves	Optional	5			Electrical connection / radial						
		Output signal				1 Optional Round cable 10pole							
		SPI	Standard	8			6 Standard Round cable 6pole						
		Power supply voltage				9 Optional Special cable ; special wires							
		5VDC	Standard	2			Length of wires						
Vert-X	2	7	E	2	7	3	6	2	8	1	7	0	5
		Electrical angle				01 Optional 10cm							
		36	Standard	Electrical angle 360°		03 Optional 30cm							
		xx	Optional	03 to 35; Declaration in 10° steps		05 Standard 50cm							
		99	Optional	Special angle		99 Optional Special length							
		Sensor principle				Length of cable							
		7	MH-C				02 Standard 1.0m						
		Mechanical version				06 Optional 3.0m							
		27E1	Optional	Servo mount size 11 ; magnetic actuator type 1		10 Optional 5.0m							
		27E2	Standard	Servo mount size 11 ; magnetic actuator type 2		99 Optional Special length							
		27E9	Optional	Special housing ; special magnetic acuator									

Vert-X 27E 24 V 0,1-10 V

		Output characteristics						Electrical connection / axial					
	Positive gradient CW	Standard	1				3	Optional	Wires 4pole				
	Positive gradient CCW	Optional	2				5	Standard	Wires 3pole				
	Redundant, positive gradient CW	Optional	3				7	Optional	Wires 5pole / 6pole				
	Redundant, positive gradient CCW	Optional	4				9	Optional	Special cable ; special wires				
	Redundant, crossed signal curves	Optional	5				Electrical connection / radial						
	Positive gradient CW with 1 switch output*	Optional	A				4	Standard	Round cable 3pole				
	Positive gradient CCW with 1 switch output*	Optional	B				6	Optional	Round cable 6pole				
	Positive gradient CW with 2 switch outputs*	Optional	C				9	Optional	Special cable ; special wires				
	Positive gradient CCW with 2 switch outputs*	Optional	D				Length of wires						
	Sense of rotation settable	Optional	E				01	Optional	10cm				
	Zero point & sense of rotation settable	Optional	F				03	Optional	30cm				
	Middle point & sense of rotation settable	Optional	G				05	Standard	50cm				
	Start + end point & sense of rotation settable	Optional	H				99	Optional	Special length				
	Programmable with Vert-X EasyAdapt	Optional	P				Length of cable						
							02	Standard	1.0m				
							06	Optional	3.0m				
							10	Optional	5.0m				
							99	Optional	Special length				
		Output signal											
	0,1VDC ... 10VDC	Standard	1										
		Power supply voltage											
	24VDC	Standard	1										
Vert-X	2	7	E	2	7	3	6	1	1	1	5	0	5
		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											
		Mechanical version											
	27E1	Optional	Servo mount size 11 ; magnetic actuator type 1										
	27E2	Standard	Servo mount size 11 ; magnetic actuator type 2										
	27E9	Optional	Special housing ; special magnetic acuator										

Vert-X 27E 24 V 0,5-4,5 V

		Output characteristics						Electrical connection / axial					
	Positive gradient CW	Standard	1				3	Optional	Wires 4pole				
	Positive gradient CCW	Optional	2				5	Standard	Wires 3pole				
	Redundant, positive gradient CW	Optional	3				7	Optional	Wires 5pole / 6pole				
	Redundant, positive gradient CCW	Optional	4				9	Optional	Special cable ; special wires				
	Redundant, crossed signal curves	Optional	5				Electrical connection / radial						
	Positive gradient CW with 1 switch output*	Optional	A				4	Standard	Round cable 3pole				
	Positive gradient CCW with 1 switch output*	Optional	B				6	Optional	Round cable 6pole				
	Positive gradient CW with 2 switch outputs*	Optional	C				9	Optional	Special cable ; special wires				
	Positive gradient CCW with 2 switch outputs*	Optional	D				Length of wires						
	Sense of rotation settable	Optional	E				01	Optional	10cm				
	Zero point & sense of rotation settable	Optional	F				03	Optional	30cm				
	Middle point & sense of rotation settable	Optional	G				05	Standard	50cm				
	Start + end point & sense of rotation settable	Optional	H				99	Optional	Special length				
	Programmable with Vert-X EasyAdapt	Optional	P				Length of cable						
							02	Standard	1.0m				
							06	Optional	3.0m				
							10	Optional	5.0m				
							99	Optional	Special length				
		Output signal											
	0,5VDC ... 4,5VDC	Standard	2										
		Power supply voltage											
	24VDC	Standard	1										
Vert-X	2	7	E	2	7	3	6	1	2	1	5	0	5
		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											
		Mechanical version											
	27E1	Optional	Servo mount size 11 ; magnetic actuator type 1										
	27E2	Standard	Servo mount size 11 ; magnetic actuator type 2										
	27E9	Optional	Special housing ; special magnetic acuator										

Vert-X 27E 24 V 4-20 mA

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	
4mA ... 20mA	Standard 5

Power supply voltage	
24VDC	Standard 1

Electrical connection / axial	
3	Optional Wires 4pole
5	Standard Wires 3pole
7	Optional Wires 5pole / 6pole
9	Optional Special cable ; special wires

Electrical connection / radial	
4	Standard Round cable 3pole
6	Optional Round cable 6pole
9	Optional Special cable ; special wires

Length of wires	
01	Optional 10cm
03	Optional 30cm
05	Standard 50cm
99	Optional Special length

Length of cable	
02	Standard 1.0m
06	Optional 3.0m
10	Optional 5.0m
99	Optional Special length

Vert-X 2 7 E 2 7 3 6 1 5 1 5 0 5

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

Mechanical version

27E1	Optional	Servo mount size 11 ; magnetic actuator type 1
27E2	Standard	Servo mount size 11 ; magnetic actuator type 2
27E9	Optional	Special housing ; special magnetic acuator

Vert-X 27E 24 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

Output signal	
PWM	Standard 4

Power supply voltage	
24VDC	Standard 1

Electrical connection / axial	
3	Optional Wires 4pole
5	Standard Wires 3pole
7	Optional Wires 5pole / 6pole
9	Optional Special cable ; special wires

Electrical connection / radial	
4	Standard Round cable 3pole
6	Optional Round cable 6pole
9	Optional Special cable ; special wires

Length of wires	
01	Optional 10cm
03	Optional 30cm
05	Standard 50cm
99	Optional Special length

Length of cable	
02	Standard 1.0m
06	Optional 3.0m
10	Optional 5.0m
99	Optional Special length

Vert-X 2 7 E 2 7 3 6 1 4 1 5 0 5

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

Mechanical version

27E1	Optional	Servo mount size 11 ; magnetic actuator type 1
27E2	Standard	Servo mount size 11 ; magnetic actuator type 2
27E9	Optional	Special housing ; special magnetic acuator

Vert-X 27E 24 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

Output signal		
SPI	Standard	8

Power supply voltage		
24VDC	Standard	1

Electrical connection / axial		
2	Optional	Wires 10pole
7	Standard	Wires 5pole / 6pole
9	Optional	Special cable ; special wires

Electrical connection / radial		
1	Optional	Round cable 10pole
6	Standard	Round cable 6pole
9	Optional	Special cable ; special wires

Length of wires		
01	Optional	10cm
03	Optional	30cm
05	Standard	50cm
99	Optional	Special length

Length of cable		
02	Standard	1.0m
06	Optional	3.0m
10	Optional	5.0m
99	Optional	Special length

Vert-X 2 7 E 2 7 3 6 1 8 1 7 0 5

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	

Mechanical version

27E1	Optional	Servo mount size 11 ; magnetic actuator type 1
27E2	Standard	Servo mount size 11 ; magnetic actuator type 2
27E9	Optional	Special housing ; special magnetic acuator

TEKNISKE DATA

IP-klasse	IP68
Måleområde	0-360°
Oppløsning	12 bit
Repetierbarhet	0,1 °
Sampling Rate Fast Operation	14 mA
Sampling Rate Slow Operation	9 mA
Temperaturområde fra	-40 °C
Temperaturområde til	125 °C



