

BERÖRINGSFRI VINKELGIVARE VERT-X 27E

VERT-X 27E MH-C

- Kompakt design
- Helt beröringsfri mätmetod
- Obegränsad mekanisk livslängd



PRODUKTBESKRIVNING

Vert-X 27E är en robust beröringsfri givare, vars hus är gjort i aluminium och har en IP-klass upp till 68K.

Denna används för positionering och är utmärkt i trånga installationsförhållanden. Exempelvis till ventilstyrning, nivågivare och mobila applikationer.

- Små dimensioner
- Beröringsfri mätmetod
- Obegränsad mekanisk livslängd
- Hög noggrannhet

För beställning, använd nedan beställningsnycklar och/eller kontakta 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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		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
		Length of wires	
		01	Optional 10cm

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							
				6	Optional	Round cable 6pole							
				9	Optional	Special cable ; special wires							
		Power supply voltage				Length of wires							
	5VDC	Standard	2	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	2	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 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										
		Output signal				Electrical connection / radial							
	SPI	Standard	8	1	Optional	Round cable 10pole							
				6	Standard	Round cable 6pole							
				9	Optional	Special cable ; special wires							
		Power supply voltage				Length of wires							
	5VDC	Standard	2	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	2	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										

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

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
		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

TEKNISK DATA

IP-klass	IP68
Mätområde	0-360°
Repeterbarhet	0,1 °
Samplingshastighet långsam drift	9 mA
Samplingshastighet snabb drift	14 mA
Temperaturområde från	-40 °C
Temperaturområde till	125 °C
Upplösning	12 bit



