solenoid valve **Plug-in terminals**

plugs to a torque of 1 Nm.

Accessories BT65-F31K2-RG-EN Activator for F31K2 series

Activator for F31 series

Activator for F31 series

BT65A

BT65X

The connections to this sensor are sealed

with stopping plugs to protect against dirt and moisture. If not all of the connections are used in your application, then seal the remai-

ning stopping plugs on the sensor perma-

nently or check during initial installation and when performing regular maintenance work

that the stopping plugs are secure and impermeable. If necessary, tighten the stopping

Application

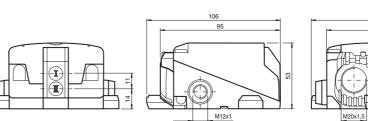
Note

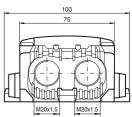
		1		
		Technical Data		
	to an a la	General specifications		
	and the the	Switching function		2 x norm
		Output type		Two-wire
	1 1999 1 a	Rated operating distance	s _n	2.5 mm
	and the state of t	Installation		for non-f
		Output polarity		DC
	a contraction of the	Assured operating distance	s _a	0 2.05
	Ser and	Output type		2x 2-wire
		Nominal ratings		0 00 1
		Operating voltage	UB	630\
		Switching frequency Hysteresis	f H	0 100 typ. 0.5
		Reverse polarity protection	п	reverse
		Short-circuit protection		no
		Voltage drop	Ud	≤6 V
		Operating current	- u	4 100
		Off-state current	Īŗ	100 2
		Switching state indicator		LED, yel
	аа ГПГ	Valve status indicator		LED, yel
	C€ [Ħ[Functional safety related parameter	ers	
		MTTF _d		684 a
		Mission Time (T _M)		20 a
		Diagnostic Coverage (DC)		0 %
		Ambient conditions		
Μ	odel Number	Ambient temperature		-40 75
		Storage temperature		-40 85
Ν	BN3-F31K2M-Z8L-B33-S	Mechanical specifications		
		Connection (system side)		screw te 1.5/2.5 r
E	eatures	Core cross-section (system side) Connection (valve side)		4-pin, M
	calures	Housing material		rugged,
٠	Direct mounting on standard actuators	Housing base		powder
	Compatible with all process control	Degree of protection		IP66 / IP
-	systems	Tightening torque, housing screws		≤2Nm
	•	Tightening torque, cable gland		M20 x 1
•	2 solenoid valves can be connected			M12 x 1
•	Weatherproof housing for outdoor ap-	Tightening torque, stopping plug		1 Nm
	plications	Tightening torque	-	Male co
•	Rugged metal base	Compliance with standards and directives		
	Temperature range -40 167 °F (-40°C	Standard conformity		
-	to 75°C)	Standards		EN 6094
				IEC 609
•	2-wire DC sensor with minimum off-			VDI / VD
	state current	Approvals and certificates		
٠	LEDs for switching state of sensor and	EAC conformity		TR CU 0
	solenoid valve			

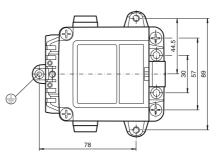
		2 x normally open (NO)
		Two-wire
e	s _n	2.5 mm
		for non-flush mounting
		DC
ince	s _a	0 2.05 mm
		2x 2-wire
	UB	6 30 V
	f	0 100 Hz
	н	typ. 0.5 mm
tion		reverse polarity tolerant
		no
	U _d	\leq 6 V
	IL .	4 100 mA
	l _r	100 200 μA typ. 160 μA
r		LED, yellow
		LED, yellow
d paramete	rs	
		684 a
		20 a
DC)		0 %
		-40 75 °C (-40 167 °F)
		-40 85 °C (-40 185 °F)
ns		
		screw terminal, M20 x 1.5 cable gland
e) item side)		1.5/2.5 mm ² flexible/rigid
ion side)		4-pin, M12 x 1 socket
		rugged, translucent polycarbonate (PC) optimised for outdoor use
		powder coated aluminum
		IP66 / IP67 / IP69K
ing screws		$\leq 2 \text{ Nm}$
e gland		M20 x 1.5 ; ≤ 4 Nm
0		$M12 \times 1 \le 3 \text{ Nm}$
ping plug		1 Nm
01 0		Male connector, 1 Nm
ards and dir	ectives	
		EN 00047 E 0.0007
		EN 60947-5-2:2007
		IEC 60947-5-2:2007
		VDI / VDE 3845

TR CU 020/2011

Dimensions









Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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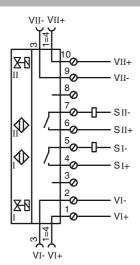
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1

NBN3-F31K2M-Z8L-B33-S

Electrical Connection



Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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2

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