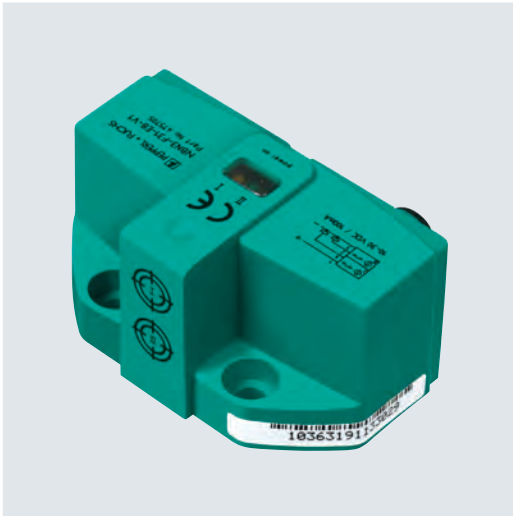


Sensors for Valve Position Detection - F31/F31K Series



Standard Technical Data

Type of installation	Flush mountable
Detection range	3 mm
Housing width W	65 mm

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Output type	Output type	Switching function	Voltage type	Switching frequency [Hz]	UB (min)	UB (max)	SIL	Connection type	Length L	Height H	CCC	ATEX	CSA	EAC	UL
NBN3-F31-E8-K	3-wire	PNP	Normally-open (NO)	DC	500	10	30		Fixed cable	36	33.5					
NBN3-F31-E8-K-K	3-wire	PNP	Normally-open (NO)	DC	500	10	30		Fixed cable	36	33.5					
NBN3-F31-E8-V1	3-wire	PNP	Normally-open (NO)	DC	500	10	30		M12 connector plug	36	33.5					
NBN3-F31-E8-V16-V15	3-wire	PNP	Normally-open (NO)	DC	500	10	30			36	33.5					
NBN3-F31-E8-V18	3-wire	PNP	Normally-open (NO)	DC	500	10	30		M18 connector plug	36	33.5					
NBN3-F31-U8-K	4-wire		Normally-open (NO)	AC/DC	25	20	253		Fixed cable	36	33.5					
NBN3-F31-U8-V18	4-wire		Normally-open (NO)	AC/DC	25	20	253		M18 connector plug	36	33.5					
NBN3-F31-Z8-K	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		Fixed cable	36	33.5					
NBN3-F31-Z8-K-K	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		Fixed cable	36	33.5					
NBN3-F31-Z8-V1	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		M12 connector plug	36	33.5					
NBN3-F31-Z8-V18	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		M18 connector plug	36	33.5					
NBN3-F31K-E8	4-wire	PNP	Normally-open (NO)	DC	500	10	30		Terminal compartment	77.5	35.5					
NBN3-F31K-E8-K	4-wire	PNP	Normally-open (NO)	DC	500	10	30		Terminal compartment	77.5	35.5					
NBN3-F31K-E8-V1-V1	4-wire	PNP	Normally-open (NO)	DC	500	10	30		Terminal compartment	77.5	35.5					
NBN3-F31K-Z8	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		Terminal compartment	77.5	35					
NBN3-F31K-Z8-K	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		Terminal compartment	77.5	35					
NBN3-F31K-Z8-V1-V1	4-wire	2-wire	Normally-open (NO)	DC	500	6	60		Terminal compartment	77.5	35					
NCN3-F31-B3-V1-K		AS-Interface	Normally open/close selectable	DC	100	26.5	31.9		M12 connector plug	36	33.5					
NCN3-F31-B3B-V1		AS-Interface	Normally open/close selectable	DC	100	26.5	31.9		M12 connector plug	36	33.5					
NCN3-F31-B3B-V1-K		AS-Interface	Normally open/close selectable	DC	100	26.5	31.9		M12 connector plug	36	33.5					
NCN3-F31-B3B-V1-V1		AS-Interface	Normally open/close selectable	DC	100	26.5	31.9		M12 connector plug	36	33.5					
NCN3-F31K-B3B-B31		AS-Interface	Normally open/close selectable	DC	100	26.5	31.9		Terminal compartment	77.5	35.5					
NCN3-F31K-N4	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2	2	Terminal compartment	77.5	35.5					
NCN3-F31K-N4-B13-S	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2	2	Terminal compartment	77.5	35.5					
NCN3-F31K-N4-K	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2	2	Terminal compartment	77.5	35.5					
NCN3-F31K-N4-K-S	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2	2	Terminal compartment	77.5	35.5					
NCN3-F31K-N4-S	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2	2	Terminal compartment	77.5	35.5					
NCN3-F31K-N4-V1-V1	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2	2	Terminal compartment	77.5	35.5					
NCN3-F31K-N5-K	2-wire	NAMUR	Normally-closed (NC)	DC	3000	8.2	8.2		Terminal compartment	77.5	35.5					

Highlights

- Direct assembly on standard drives
- Valve connection
- Versions up to SIL 2 available

Brief Description

The F31/F31K series are used in applications on standard valve actuators in indoor and outdoor areas. They are very easy to assemble and are also available as a variant for hazardous areas.