

M30 Series – With Cable Connection



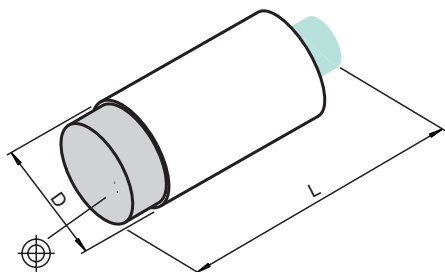
Standard Technical Data

Connection type	Fixed cable
Housing diameter D	30 mm

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

Model number	Type of installation	Detection range [mm]	Output type	Output type	Switching function	Voltage type	Switching frequency [Hz]	UB (min)	UB (max)	Cable length [mm]	Cable material	Length L	CCC	CSA	UL
NBB8-30GM60-I3	Flush	8	3-wire	Analog current output	0 mA ... 20 mA	DC		15	30	2000	PVC	60			■
NBB10-30GK50-E0	Flush	10	3-wire	NPN	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBB10-30GK50-E2	Flush	10	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBB10-30GK50-E2-10M	Flush	10	3-wire	PNP	Normally-open (NO)	DC	200	10	30	10000	PVC	50	■	■	
NBB10-30GM40-E2	Flush	10	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	40	■	■	
NBB10-30GM40-Z0	Flush	10	2-wire	2-wire	Normally-open (NO)	DC	150	5	60	2000	PVC	40	■	■	■
NBB10-30GM50-E0	Flush	10	3-wire	NPN	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBB10-30GM50-E2	Flush	10	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBB10-30GM60-A0	Flush	10	4-wire	NPN	Complementary	DC	200	10	30	2000	PVC	60	■	■	
NBB10-30GM60-A2	Flush	10	4-wire	PNP	Complementary	DC	200	10	30	2000	PVC	60	■	■	
NBB10-30GM60-A2-5M	Flush	10	4-wire	PNP	Complementary	DC	200	10	30	5000	PVC	60	■	■	
NCB10-30GM40-Z0	Flush	10	2-wire	2-wire	Normally-open (NO)	DC	150	5	60	2000	PUR	40	■	■	■
NCJ10-30GM40-Z1	Flush	10	2-wire	2-wire	Normally-closed (NC)	DC	150	5	60	2000	PUR	40	■	■	■
NJ10-30GK50-A2	Flush	10	4-wire	PNP	Complementary	DC	500	10	60	2000	PVC	50	■	■	■
NJ10-30GM50-A2	Flush	10	4-wire	PNP	Complementary	DC	300	10	60	2000	PVC	50	■	■	■
NBB15-30GM30-E2	Flush	15	3-wire	PNP	Normally-open (NO)	DC	150	10	30	2000	PVC	30	■	■	
NBB15-30GM30-E3	Flush	15	3-wire	PNP	Normally-closed (NC)	DC	150	10	30	2000	PVC	30	■	■	
NBB15-30GM35-A0	Flush	15	4-wire	NPN	Complementary	DC	1000	10	30	2000	PVC	35			■
NBB15-30GM35-A2	Flush	15	4-wire	PNP	Complementary	DC	1000	10	30	2000	PVC	35			■
NBB15-30GM50-E0	Flush	15	3-wire	NPN	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBB15-30GM50-E2	Flush	15	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBB15-30GM60-A0	Flush	15	4-wire	NPN	Complementary	DC	200	10	30	2000	PVC	60	■	■	
NBB15-30GM60-A2	Flush	15	4-wire	PNP	Complementary	DC	200	10	30	2000	PVC	60	■	■	
NCB15-30GM50-Z4	Flush	15	2-wire	2-wire	Normally-open (NO)	DC	500	3.5	30	2000	PVC	48	■	■	
NCB15-30GM50-Z5	Flush	15	2-wire	2-wire	Normally-closed (NC)	DC	500	3.5	30	2000	PVC	48	■	■	
NEB22-30GM60-E0	Semi-flush	22	3-wire	NPN	Normally-open (NO)	DC	150	10	30	2000	PVC	60			
NEB22-30GM60-E2	Semi-flush	22	3-wire	PNP	Normally-open (NO)	DC	150	10	30	2000	PVC	60			
NBN15-30GK50-E0	Non-flush	15	3-wire	NPN	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBN15-30GK50-E2	Non-flush	15	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBN15-30GK50-E2-25M	Non-flush	15	3-wire	PNP	Normally-open (NO)	DC	200	10	30	5000	PVC	50	■	■	
NBN15-30GK60-AR-1M	Non-flush	15	Relay	Relay	Change-over contact	DC	20	10	30	1000	PVC	60	■	■	
NBN15-30GK60-AR-3M	Non-flush	15	Relay	Relay	Change-over contact	DC	20	10	30	3000	PVC	60	■	■	
NBN15-30GK60-UR-5M	Non-flush	15	Relay	Relay	Change-over contact	AC/DC		20	132	5000	PVC	60	■	■	
NBN15-30GM40-Z0	Non-flush	15	2-wire	2-wire	Normally-open (NO)	DC	150	5	60	2000	PVC	40	■	■	■
NBN15-30GM50-E0	Non-flush	15	3-wire	NPN	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBN15-30GM50-E2	Non-flush	15	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	50	■	■	
NBN15-30GM60-A0	Non-flush	15	4-wire	NPN	Complementary	DC	200	10	30	2000	PVC	60	■	■	

Model number	Type of installation	Detection range [mm]	Output type	Output type	Switching function	Voltage type	Switching frequency [Hz]	UB (min)	UB (max)	Cable length [mm]	Cable material	Length L	CCC	CSA	UL
NBN15-30GM60-A2	Non-flush	15	4-wire	PNP	Complementary	DC	200	10	30	2000	PVC	60			
NBN15-30GM60-A2-5M	Non-flush	15	4-wire	PNP	Complementary	DC	200	10	30	5000	PVC	60			
NBN15-30GM60-I3	Non-flush	15	3-wire	Analog current output	0 mA ... 20 mA	DC		15	30	2000	PVC	60			
NBN15-30GM60-I3-5M	Non-flush	15	3-wire	Analog current output	0 mA ... 20 mA	DC		15	30	5000	PVC	60			
NCN15-30GM40-Z0	Non-flush	15	2-wire	2-wire	Normally-open (NO)	DC	100	5	60	2000	PUR	40			
NCN15-30GM40-Z0-10M	Non-flush	15	2-wire	2-wire	Normally-open (NO)	DC	100	5	60	10000	PUR	40			
NCN15-30GM40-Z1	Non-flush	15	2-wire	2-wire	Normally-closed (NC)	DC	100	5	60	2000	PUR	40			
NJ15-30GK50-A2	Non-flush	15	4-wire	PNP	Complementary	DC	300	10	60	2000	PVC	50			
NJ15-30GK50-A2	Non-flush	15	4-wire	PNP	Complementary	DC	300	10	60	2000	PVC	50			
NBN20-30GM40-A0	Non-flush	20	4-wire	NPN	Complementary	DC	1000	10	30	2000	PVC	40			
NBN20-30GM40-A2	Non-flush	20	4-wire	PNP	Complementary	DC	1000	10	30	2000	PVC	40			
NBN22-30GM35-E2	Non-flush	22	3-wire	PNP	Normally-open (NO)	DC	80	10	30	2000	PVC	35			
NBN25-30GM50-E0	Non-flush	25	3-wire	NPN	Normally-open (NO)	DC	200	10	30	2000	PVC	50			
NBN25-30GM50-E2	Non-flush	25	3-wire	PNP	Normally-open (NO)	DC	200	10	30	2000	PVC	50			
NCN25-30GM50-Z4	Non-flush	25	2-wire	2-wire	Normally-open (NO)	DC	500	3.5	30	2000	PVC	48			
NCN25-30GM50-Z5	Non-flush	25	2-wire	2-wire	Normally-closed (NC)	DC	500	3.5	30	2000	PVC	48			
NEN40-30GM60-E0	Non-flush	40	3-wire	NPN	Normally-open (NO)	DC	100	10	30	2000	PVC	60			
NEN40-30GM60-E2	Non-flush	40	3-wire	PNP	Normally-open (NO)	DC	100	10	30	2000	PVC	60			



Accessories

AB-30	Mounting aid
BF 30	Mounting adapter, 30 mm
EXG-18	Quick-mounting bracket with fixed stop
EXG-30	Quick-mounting bracket with fixed stop
V1-G-2M-PUR	Single-ended female cordset, M12, 4-pin, PUR cable
V1-W-2M-PUR	Single-ended female cordset, M12, 4-pin, PUR cable

M30 Series – With Plug Connection

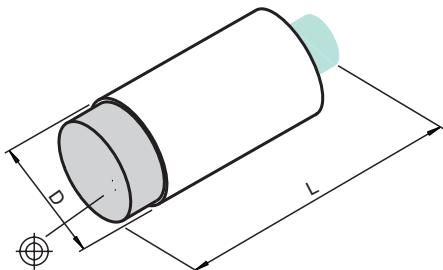


Standard Technical Data	
Voltage type	DC
Connection type	M12 connector plug
Housing diameter D	30 mm

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

Model number	Type of installation	Detection range [mm]	Output type	Output type	Switching function	Switching frequency [Hz]	UB (min)	UB (max)	Length L	CCC	CSA	EAC	UL
NBB10-30GM40-Z0-V1	Flush	10	2-wire	2-wire	Normally-open (NO)	150	5	60	40	■	■	■	■
NBB10-30GM40-Z3-V1	Flush	10	2-wire	2-wire	Normally-open (NO)	150	5	60	40	■	■	■	■
NBB10-30GM50-E0-V1	Flush	10	3-wire	NPN	Normally-open (NO)	200	10	30	50	■	■	■	■
NBB10-30GM50-E2-V1	Flush	10	3-wire	PNP	Normally-open (NO)	200	10	30	50	■	■	■	■
NBB10-30GM50-E3-V1	Flush	10	3-wire	PNP	Normally-closed (NC)	200	10	30	50	■	■	■	■
NBB10-30GM60-A0-V1	Flush	10	4-wire	NPN	Complementary	200	10	30	60	■	■	■	■
NBB10-30GM60-A2-V1	Flush	10	4-wire	PNP	Complementary	200	10	30	60	■	■	■	■
NCB10-30GM40-Z0-V1	Flush	10	2-wire	2-wire	Normally-open (NO)	150	5	60	40	■	■	■	■
NCB10-30GM40-Z1-V1	Flush	10	2-wire	2-wire	Normally-closed (NC)	150	5	60	40	■	■	■	■
NJ10-30GM50-A2-V1	Flush	10	4-wire	PNP	Complementary	300	10	60	50	■	■	■	■
NBB15-30GM30-E2-V1	Flush	15	3-wire	PNP	Normally-open (NO)	150	10	30	30	■	■	■	■
NBB15-30GM30-E3-V1	Flush	15	3-wire	PNP	Normally-closed (NC)	150	10	30	30	■	■	■	■
NBB15-30GM35-A0-V1	Flush	15	4-wire	NPN	Complementary	1000	10	30	51	■	■	■	■
NBB15-30GM35-A2-V1	Flush	15	4-wire	PNP	Complementary	1000	10	30	51	■	■	■	■
NBB15-30GM50-E0-V1	Flush	15	3-wire	NPN	Normally-open (NO)	200	10	30	50	■	■	■	■
NBB15-30GM50-E2-V1	Flush	15	3-wire	PNP	Normally-open (NO)	200	10	30	65	■	■	■	■
NBB15-30GM60-A0-V1	Flush	15	4-wire	NPN	Complementary	200	10	30	60	■	■	■	■
NBB15-30GM60-A2-V1	Flush	15	4-wire	PNP	Complementary	200	10	30	60	■	■	■	■
NBB15-30GM60-B3B-V1	Flush	15	2-wire	AS-Interface	Normally open/close selectable	200	26.5	31.9	65	■	■	■	■
NCB15-30GM50-Z4-V1	Flush	15	2-wire	2-wire	Normally-open (NO)	500	3.5	30	48	■	■	■	■
NCB15-30GM50-Z5-V1	Flush	15	2-wire	2-wire	Normally-closed (NC)	500	3.5	30	48	■	■	■	■
NCB15-30GM50-Z7-V1	Flush	15	2-wire	2-wire	Normally-closed (NC)	500	3.5	30	48	■	■	■	■
NEB22-30GM60-E0-V1	Semi-flush	22	3-wire	NPN	Normally-open (NO)	150	10	30	73.5	■	■	■	■
NEB22-30GM60-E2-V1	Semi-flush	22	3-wire	PNP	Normally-open (NO)	150	10	30	73.5	■	■	■	■
NEB22-30GM60-E3-V1	Semi-flush	22	3-wire	PNP	Normally-closed (NC)	150	10	30	73.5	■	■	■	■
NBN15-30GM40-Z0-V1	Non-flush	15	2-wire	2-wire	Normally-open (NO)	150	5	60	40	■	■	■	■
NBN15-30GM40-Z3-V1	Non-flush	15	2-wire	2-wire	Normally-open (NO)	150	5	60	40	■	■	■	■
NBN15-30GM50-E0-V1	Non-flush	15	3-wire	NPN	Normally-open (NO)	200	10	30	50	■	■	■	■
NBN15-30GM50-E2-V1	Non-flush	15	3-wire	PNP	Normally-open (NO)	200	10	30	50	■	■	■	■
NBN15-30GM60-A0-V1	Non-flush	15	4-wire	NPN	Complementary	200	10	30	60	■	■	■	■
NBN15-30GM60-A2-V1	Non-flush	15	4-wire	PNP	Complementary	200	10	30	60	■	■	■	■
NCN15-30GM40-Z0-V1	Non-flush	15	2-wire	2-wire	Normally-open (NO)	100	5	60	40	■	■	■	■
NCN15-30GM40-Z1-V1	Non-flush	15	2-wire	2-wire	Normally-closed (NC)	100	5	60	40	■	■	■	■
NJ15-30GM50-A2-V1	Non-flush	15	4-wire	PNP	Complementary	300	10	60	50	■	■	■	■
NBN20-30GM40-A0-V1	Non-flush	20	4-wire	NPN	Complementary	1000	10	30	56	■	■	■	■
NBN20-30GM40-A2-V1	Non-flush	20	4-wire	PNP	Complementary	1000	10	30	56	■	■	■	■
NBN22-30GM35-E2-V1	Non-flush	22	3-wire	PNP	Normally-open (NO)	80	10	30	50	■	■	■	■
NBN25-30GM50-E0-V1	Non-flush	25	3-wire	NPN	Normally-open (NO)	200	10	30	50	■	■	■	■

Model number	Type of installation	Detection range [mm]	Output type	Output type	Switching function	Switching frequency [Hz]	UB (min)	UB (max)	Length L	CCC	CSA	EAC	UL
NBN25-30GM50-E2-V1	Non-flush	25	3-wire	PNP	Normally-open (NO)	200	10	30	50				
NCN25-30GM50-Z4-V1	Non-flush	25	2-wire	2-wire	Normally-open (NO)	500	3.5	30	48				
NCN25-30GM50-Z5-V1	Non-flush	25	2-wire	2-wire	Normally-closed (NC)	500	3.5	30	48				
NCN25-30GM50-Z7-V1	Non-flush	25	2-wire	2-wire	Normally-closed (NC)	500	3.5	30	48				
NEN40-30GM60-E0-V1	Non-flush	40	3-wire	NPN	Normally-open (NO)	100	10	30	73.5				
NEN40-30GM60-E2-V1	Non-flush	40	3-wire	PNP	Normally-open (NO)	100	10	30	73.5				
NEN40-30GM60-E3-V1	Non-flush	40	3-wire	PNP	Normally-closed (NC)	100	10	30	73.5				



Accessories	
BF 30	Mounting adapter, 30 mm
BF 30-F	Plastic mounting adapter, 30 mm
EXG-30	Quick-mounting bracket with fixed stop
V1-G-2M-PUR	Single-ended female cordset, M12, 4-pin, PUR cable
V1-G-BK0,3M-PUR-U-V1-G	Cordset, M12 to M12, PUR cable, 4-pin
V1-W-2M-PUR	Single-ended female cordset, M12, 4-pin, PUR cable