

2mm Sensing Range

Inductive

Specifications		2-Wire AC/DC		
SENSING RANGE		2mm	2mm	3mm
SHIELDED		Yes	Yes	Yes
MODEL NUMBER(S)		NBB2-V3-US	NJ2-F1-US	FL7M-3T7HD-CMG
		—	NJ2-F1-UO	—
OUTPUT: Transistor	Suffix US/HD	Normally open	Normally open	Normally open
	Suffix UO	—	Normally closed	—
LOAD CURRENT		5-200mA	4-100mA DC or 4-250mA AC	5-150mA DC or 5-100mA AC
LEAKAGE CURRENT		0.8mA	1.7mA	2mA AC / 1.1mA DC
INRUSH CURRENT		0.9A/20ms	2.1A/20ms	1.6A/20ms
VOLTAGE DROP		5V	6.7V	10V AC / 6VDC
SHORT CIRCUIT AND OVERLOAD PROTECTION		No	Yes	AC: No / DC: Yes
REVERSE POLARITY PROTECTION		Nonpolarity sensitive	Nonpolarity sensitive	—
SUPPLY VOLTAGE		20-140VAC/10-140VDC	20-250VAC/VDC	40-250VAC / 20-250VDC
LED(s)		Yes (1)	Yes (1)	Yes (2)
REPEATABILITY		.01mm	.01mm	.01mm
HYSTERESIS		5%	5%	3-15%
SWITCHING FREQUENCY		25Hz	25Hz	AC: 25Hz / DC: 500Hz
ELECTROMAGNETIC COMPATIBILITY COMPLIANCE		NEMA ICS5-1996 See page 4	NEMA ICS5-1996 See page 4	NEMA ICS5-1996 See page 4
PROTECTION IEC		IP67	IP67	IP67
AMBIENT TEMPERATURE		-13°F to +158°F	-14°F to +158°F	-14°F to +158°F
HOUSING MATERIAL		Crastin	Crastin	Nickel-plated brass
SENSING FACE		Crastin	Crastin	Polyamide
APPROVALS	 General Purpose	Yes	Yes	No
	 General Purpose	Yes	Yes	No
	 Nonincendive	Yes	Yes	No
ELECTRICAL CONNECTION		 2-meter cable, PVC covered, 2-conductor, #26AWG	 2-meter cable, PVC covered, 2-conductor, #20AWG	 Quick disconnect type V11

 Metal Crastin or Polyamide



**See pages
735-794
for cordsets**

See pages
822-823 for
cross reference.

Micro Switch Series
FL7M-3T7HD-CMG

