



J. M. Engineering Co.

A Complete Process Control automation

Inductive

Proximity Sensors

Cylindrical

M-5 / M-6

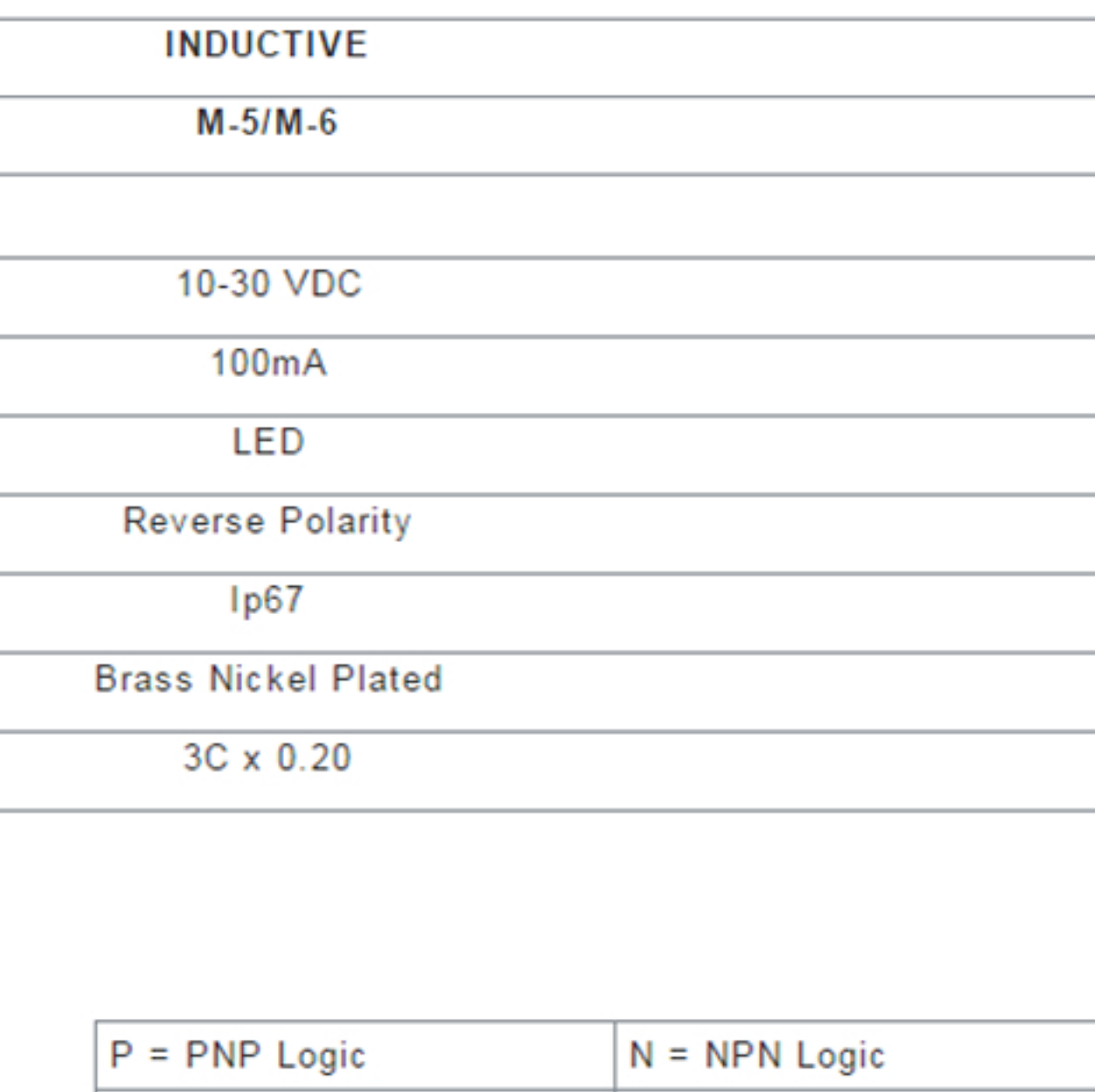
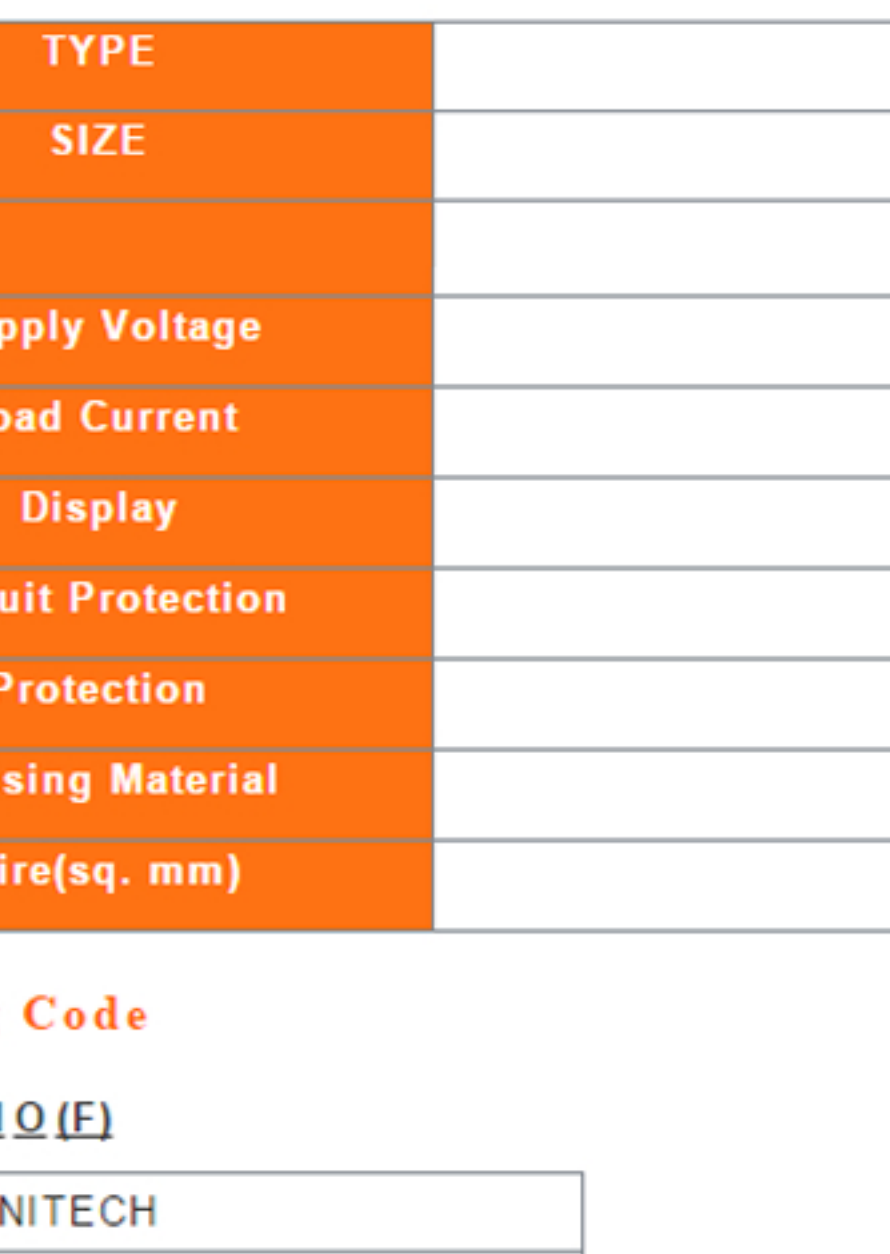
M-8

M-12

M-18

M-30

M-50



Technical Specifications

TYPE	INDUCTIVE
SIZE	M-5/M-6
Supply Voltage	10-30 VDC
Load Current	100mA
Display	LED
Circuit Protection	Reverse Polarity
Protection	Ip67
Housing Material	Brass Nickel Plated
Wire(sq. mm)	3C x 0.20

Ordering Code

UT I-05 01 N O (F)

UT	UNITECH	P = PNP Logic	N = NPN Logic
I	Inductive	O = Normally Open Contact	C = Normally Close Contact
05	Diameter of Switch	0.8 = Sensing Distance	
01	Sensing Distance	(F) = Flush Type	
N	NPN Logic		
O	Normally Open Contact		
(F)	Flush Type		

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M-5 / M-6

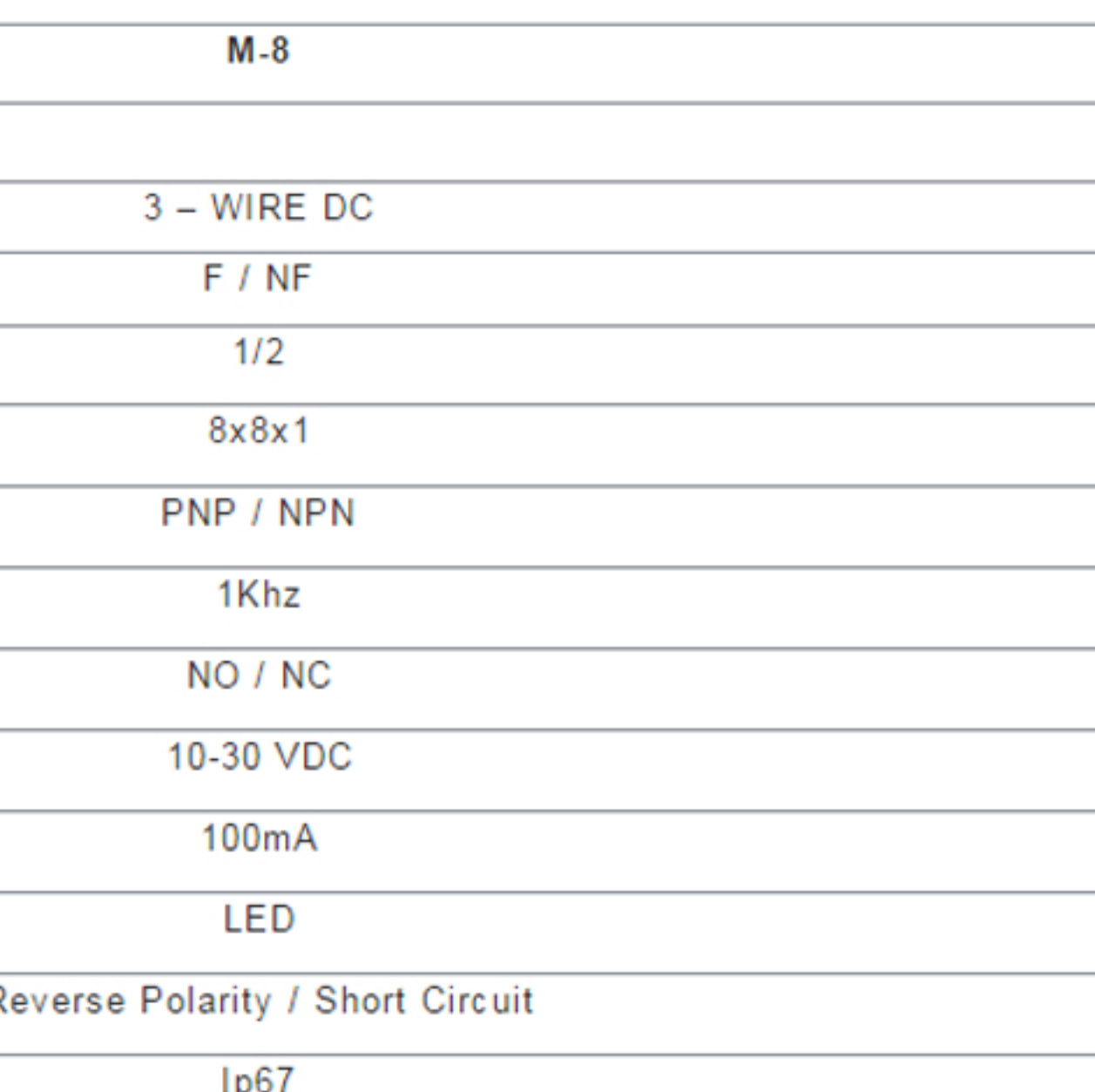
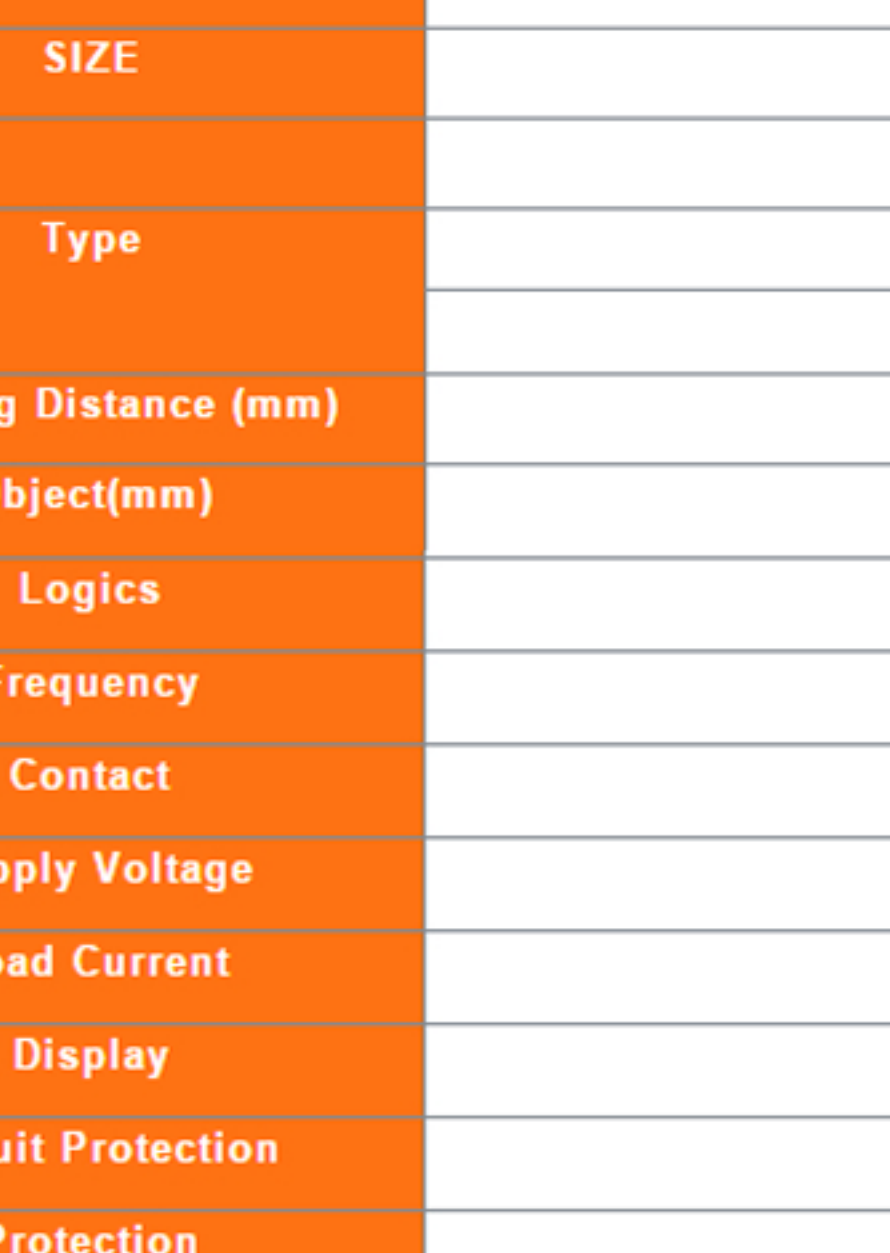
M-8

M-12

M-18

M-30

M-50



Technical Specifications

TYPE	INDUCTIVE
SIZE	M-8
Type	3 - WIRE DC
Sensing Distance (mm)	F / NF
Object(mm)	1/2
Logics	8x8x1
Frequency	PNP / NPN
Contact	1Khz
Supply Voltage	NO / NC
Load Current	10-30 VDC
Display	100mA
Circuit Protection	LED
Protection	Reverse Polarity / Short Circuit
Protection	Ip67
Housing Material	Brass Nickel Plated
Wire(sq. mm)	3C x 0.20

Ordering Code

UT I-08 01 N O (F)

UT	UNITECH	P = PNP Logic	N = NPN Logic
I	Inductive	O = Normally Open Contact	C = Normally Close Contact
08	Diameter of Switch	01 = Sensing Distance	02 = Sensing Distance
01	Sensing Distance	(F) = Flush Type	(NF) = Non-Flush Type
N	NPN Logic		
O	Normally Open Contact		
(F)	Flush Type		

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M-5 / M-6

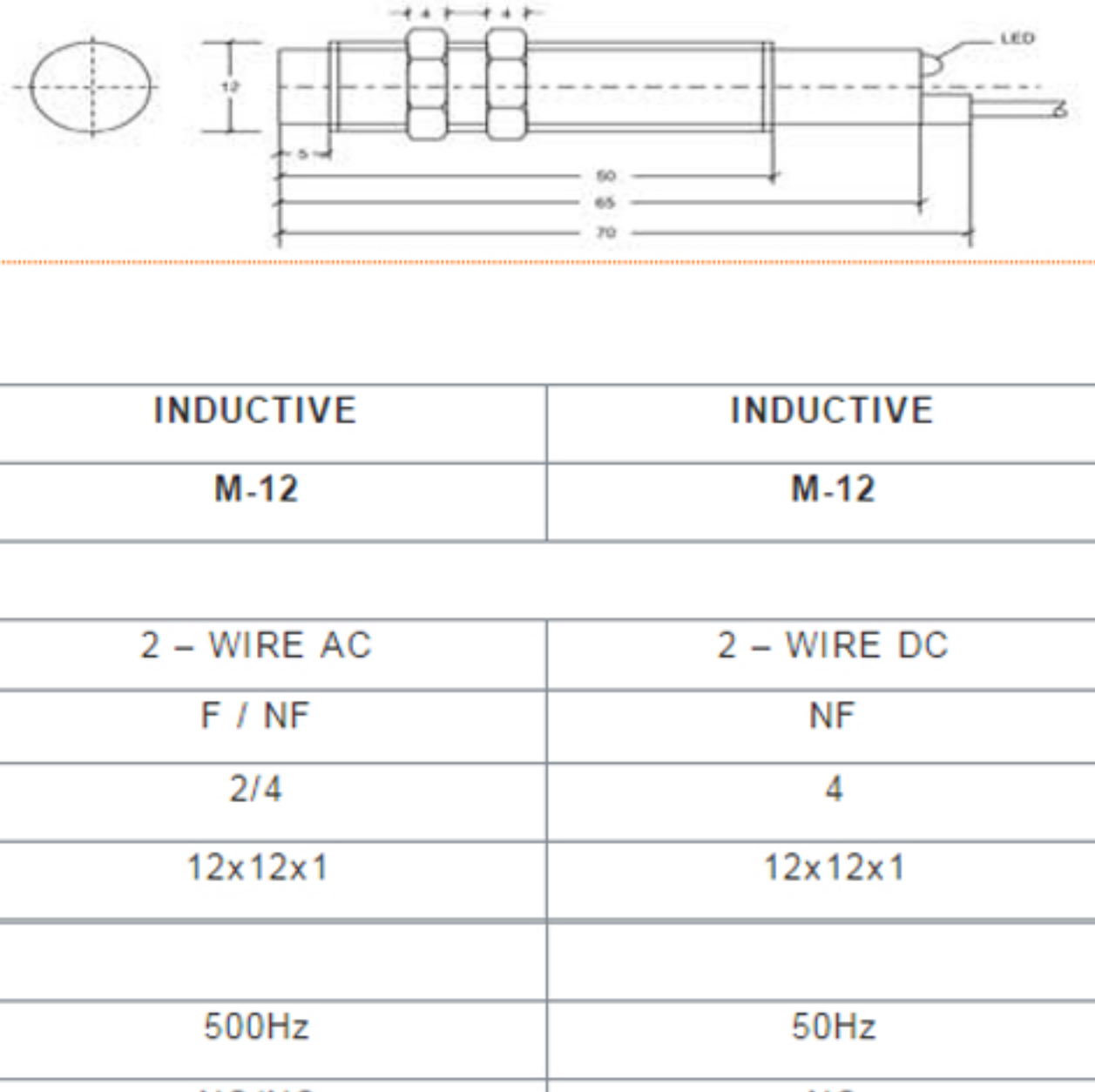
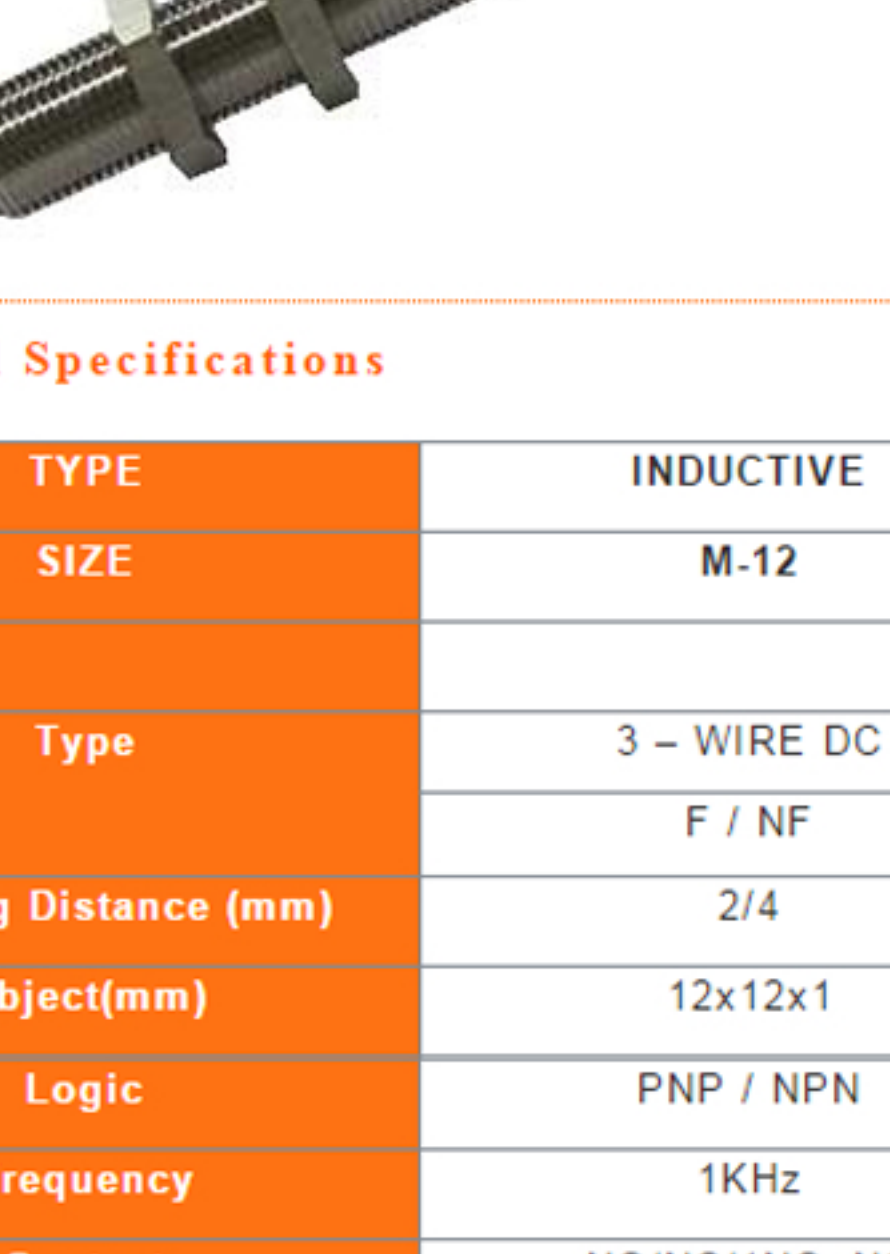
M-8

M-12

M-18

M-30

M-50



Technical Specifications

TYPE	INDUCTIVE	INDUCTIVE	INDUCTIVE
SIZE	M-12	M-12	M-12
Type	3 - WIRE DC	2 - WIRE AC	2 - WIRE DC
Sensing Distance (mm)	F / NF	F / NF	NF
Object(mm)	2/4	2/4	4
Logic	12x12x1	12x12x1	12x12x1
Frequency	PNP / NPN		
Contact	1KHz	500Hz	50Hz
Supply Voltage	NO/NC/1NO+NC	NO/NC	NO
Load Current	10-30 VDC	50-250 VAC	24/48 VDC
Display	300mA	300mA	100mA
Circuit Protection	LED	LED	LED
Protection	Reverse Polarity / Short Circuit	Surge Suppressor	
Protection	IP67	IP67	IP67
Housing Material	Brass Nickel Plated	Brass Nickel Plated	Brass Nickel Plated
Wire(sq. mm)	3C x 0.20	2C x 0.20	2C x 0.20

Ordering Code

UT I-12 02 N O (F)

UT	UNITECH	P = PNP Logic	N = NPN Logic
I	Inductive	O = Normally Open Contact	C = Normally Close Contact
12	Diameter of Switch	02 = Sensing Distance	04 = Sensing Distance
02	Sensing Distance	(F) = Flush Type	(NF) = Non-Flush Type
N	NPN Logic		
O	Normally Open Contact		
(F)	Flush Type		

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M-5 / M-6

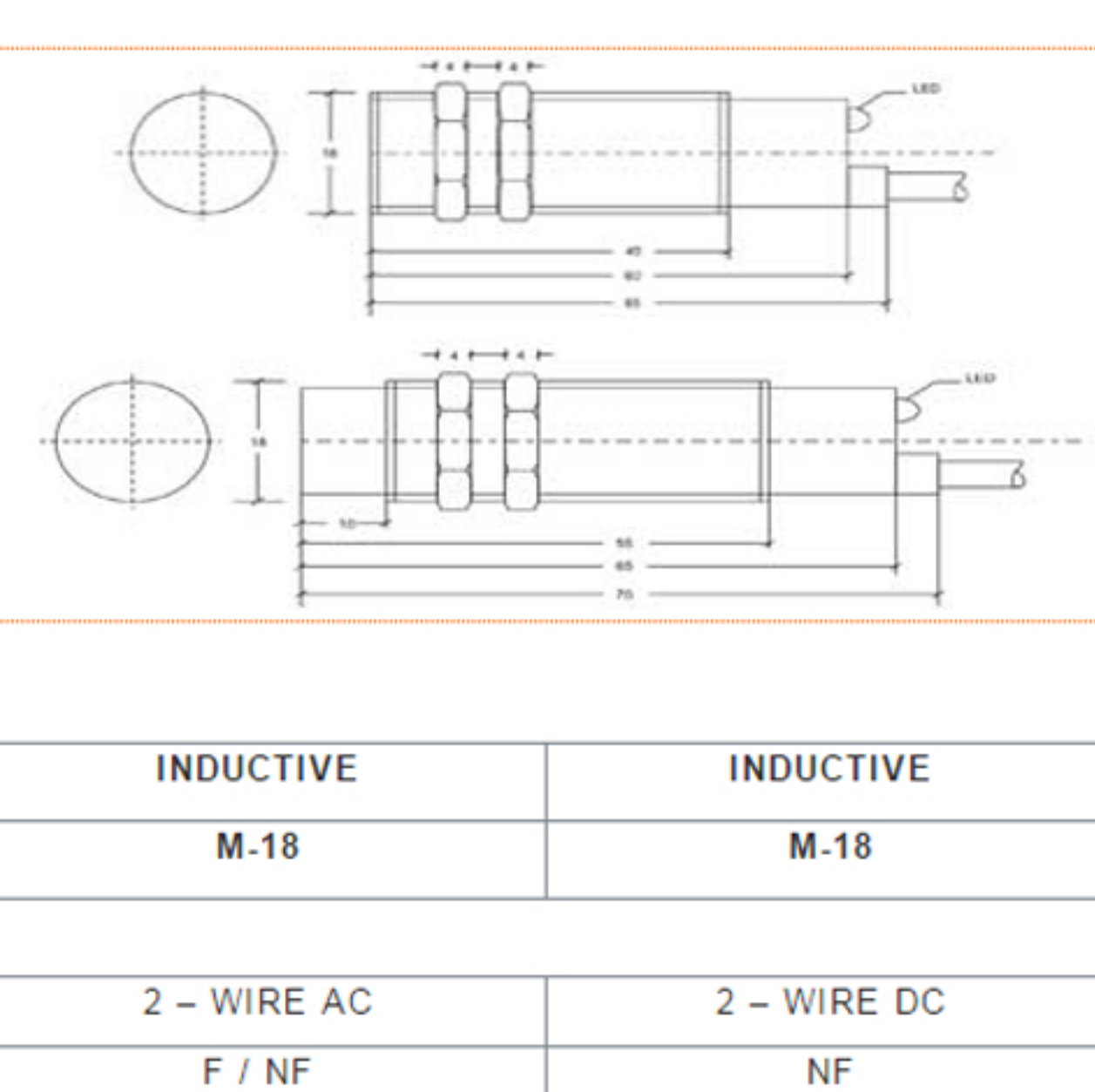
M-8

M-12

M-18

M-30

M-50



Technical Specifications

TYPE	INDUCTIVE	INDUCTIVE	INDUCTIVE
SIZE	M-18	M-18	M-18
Type	3 - WIRE DC	2 - WIRE AC	2 - WIRE DC
Sensing Distance (mm)	F / NF	F / NF	NF
Object(mm)	5/8	5/8	8
Logic	18x18x1	18x18x1	18x18x1
Frequency	PNP / NPN		
Contact	1KHz	500Hz	50Hz
Supply Voltage	NO/NC/1NO+NC	NO/NC	NO
Load Current	10-30 VDC	50-250 VAC	24/48 VDC
Display	300mA	300mA	100mA
Circuit Protection	LED	LED	LED
Protection	Short Circuit	Surge Suppressor	
Protection	R/P	IP67	IP67
Housing Material	Brass Nickel Plated	Brass Nickel Plated	Brass Nickel Plated
Wire(sq. mm)	3C x 0.20	2C x 0.20	2C x 0.20

Ordering Code

UT I-18 05 N O (F)

UT	UNITECH	P = PNP Logic	N = NPN Logic
I	Inductive	O = Normally Open Contact	C = Normally Close Contact
18	Diameter of Switch	05 = Sensing Distance	08 = Sensing Distance
05	Sensing Distance	(F) = Flush Type	(NF) = Non-Flush Type
N	NPN Logic		
O	Normally Open Contact		
(F)	Flush Type		

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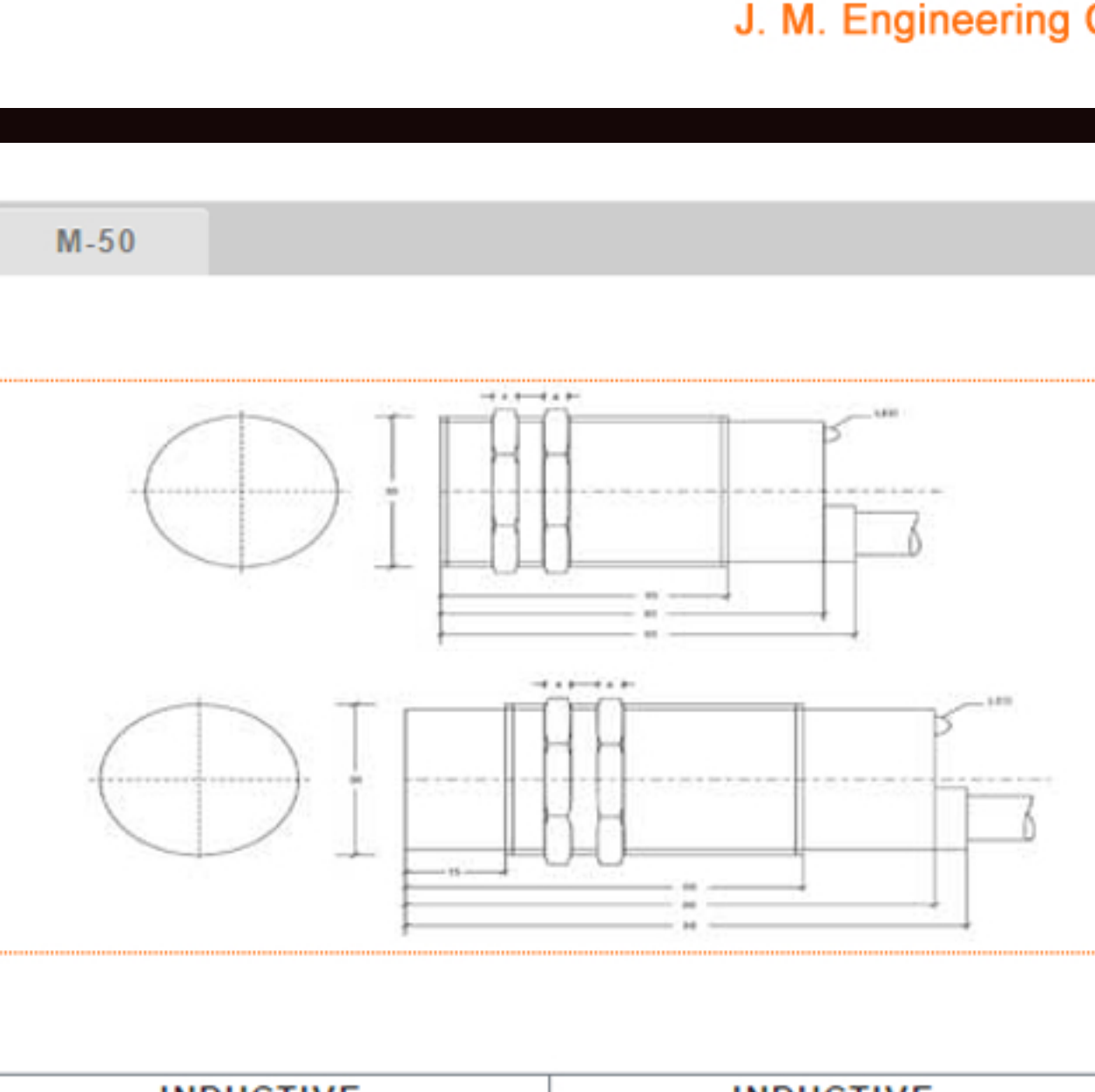
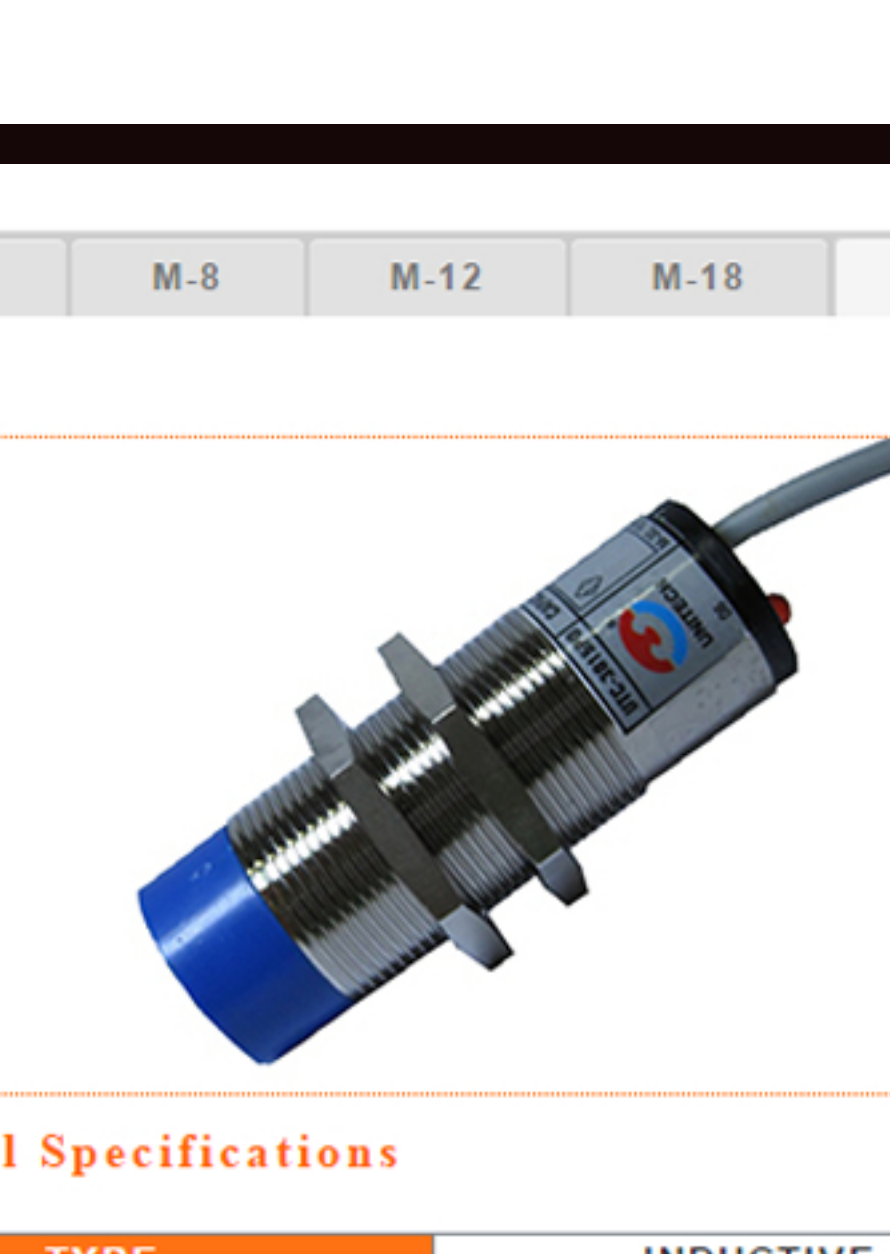
M-8

M-12

M-18

M-30

M-50



Technical Specifications

TYPE	INDUCTIVE	INDUCTIVE	INDUCTIVE
SIZE	M-30	M-30	M-30
Type	3 - WIRE DC	2 - WIRE AC	2 - WIRE DC
Sensing Distance (mm)	F / NF	F / NF	F / NF
Object(mm)	10/15	10/15	15
Logic	30X30X1	30X30X1	30X30X1
Frequency	PNP / NPN		
Contact	1KHz	500Hz	50Hz
Supply Voltage	NO/NC/1NO+NC	NO/NC	NO
Load Current	10-30 VDC	50-250 VAC	24/48 VDC
Display	300mA	300mA	100mA
Circuit Protection	LED	LED	LED
Protection	Reverse Polarity / Short Circuit	Surge Suppressor	
Protection	IP67	IP67	IP67
Housing Material	Brass Nickel Plated	Brass Nickel Plated	Brass Nickel Plated
Wire(sq. mm)	3C x 0.20	2C x 0.20	2C x 0.20

Ordering Code

UT I-30 10 N O (F)

UT	UNITECH	P = PNP Logic	N = NPN Logic
I	Inductive	O = Normally Open Contact	C = Normally Close Contact
30	Diameter of Switch	10 = Sensing Distance	15 = Sensing Distance
10	Sensing Distance	(F) = Flush Type	(NF) = Non-Flush Type
N	NPN Logic		
O	Normally Open Contact		
(F)	Flush Type		

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M-5 / M-6

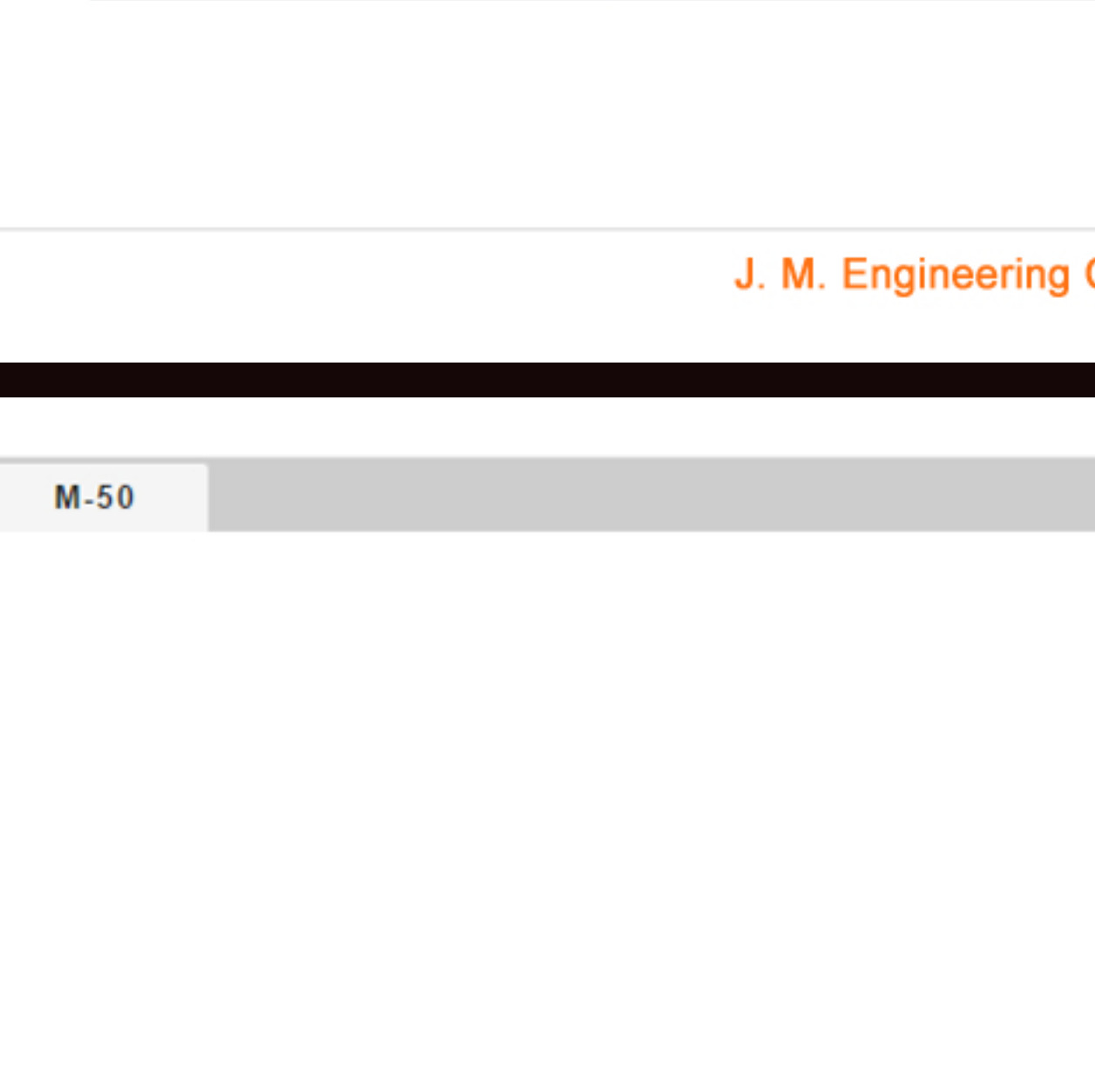
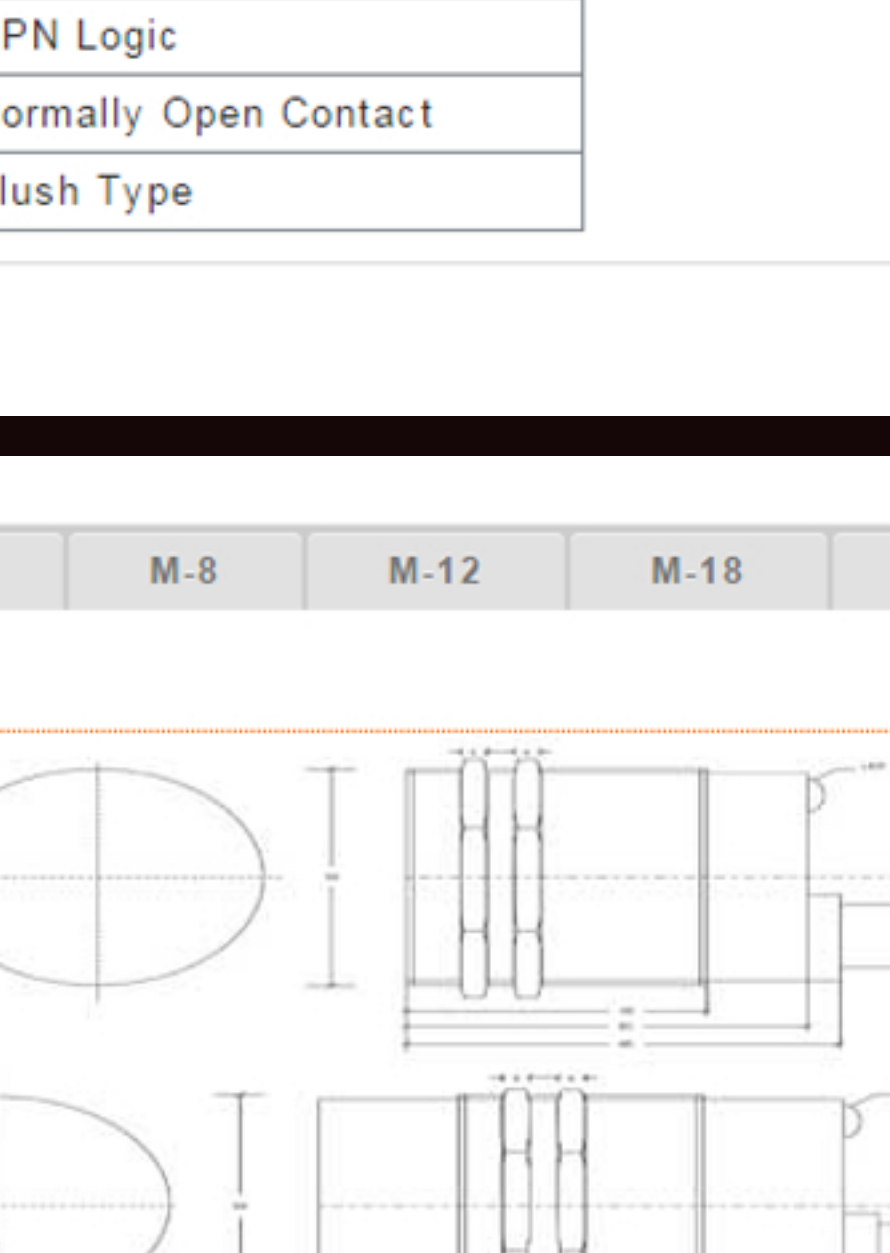
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M-12

M-18

M-30

M-50



Technical Specifications

TYPE	INDUCTIVE	INDUCTIVE
SIZE	M-50	M-50
Type	3 - WIRE DC	2 - WIRE AC
Sensing Distance (mm)	F / NF	F / NF
Object(mm)	20/25	20/25
Logic	50X50X1	50X50X1
Frequency	PNP / NPN	
Contact	1KHz	500Hz
Supply Voltage	NO/NC/1NO+NC	NO/NC
Load Current	10-30 VDC	50-250 VAC
Display	300mA	300mA
Circuit Protection	LED	LED
Protection	Reverse Polarity / Short Circuit	Surge Suppressor
Protection	IP67	IP67
Housing Material	Brass Nickel Plated	Brass Nickel Plated
Wire(sq. mm)	3C x 0.20	2C x 0.20

Ordering Code

UT I-50 20 N O (F)

UT	UNITECH	P = PNP Logic	N = NPN Logic
I	Inductive	O = Normally Open Contact	C = Normally Close Contact
50	Diameter of Switch	20 = Sensing Distance	25 = Sensing Distance
20	Sensing Distance	(F) = Flush Type	(NF) = Non-Flush Type
N	NPN Logic		
O	Normally Open Contact		
(F)	Flush Type		

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