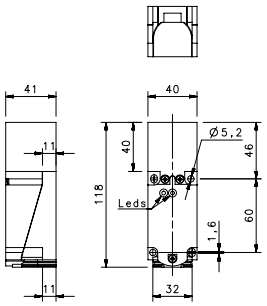
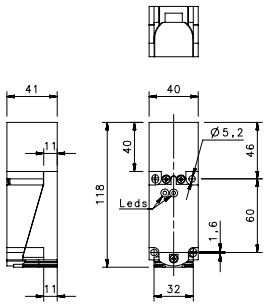
SQUARE 40X40





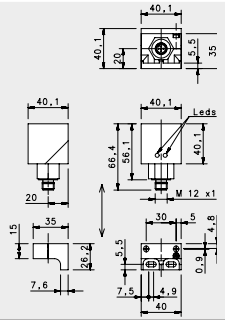
				40X40	
				FLUSH	NON FLUSH
				Terminal Block	Terminal Block
NOMINAL SWITCHING DISTANCE				**15 mm**	**30mm**
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO-NC	4 wires		IS-40-W5-S3	IS-40-Y5-S3
			order No.	95B065240	95B065280
10-30 Vdc	NPN NO-NC	4 wires		IS-40-W6-S3	IS-40-Y6-S3
			order No.	95B065230	95B065270
10-30 Vdc	NO-NC	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NO	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NC	2 wires		---	---
			order No.	---	---
20-250 Vac	NO	2/3wires		---	---
			order No.	---	---
10-30 Vdc	Analog 0-20 mA	3 wires		---	---
			order No.	---	---
NAMUR amplifier	NAMUR	2 wires		---	---
			order No.	---	---
Nominal Voltage				10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 15% (Sr)	< 15% (Sr)
Max. Output Current				200mA	200mA
Min. Output Current				---	---
Residual Current				< 0,01 mA	< 0,01 mA
Voltage Drop				< 1,5V	< 1,5V
Operation Led				YES	YES
Switching Frequency				100 Hz	100 Hz
Start Up Delay				---	---
Repeatability				< 1.0% (Sr)	< 1.0% (Sr)
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 ...+75C)	(-25 ... +75 °C)
Protection Degree				IP67	IP67
Cable Length				---	---
Cable Section				---	---
Housing Material				PBT (RESIN)	PBT (RESIN)
Weight - Cable Output				---	---
Weight - Connector Output				262g	262g

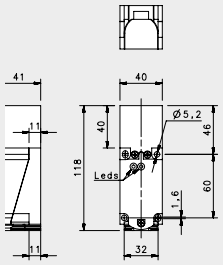


40X40 VAC/VDC	
FLUSH	NON FLUSH
Terminal Block	Terminal Block
15 mm	**30mm**
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
IS-40-W7-S3	IS-40-Y7-S3
95B065250	95B065290
IS-40-W8-S3	IS-40-Y8-S3
95B065260	95B065300
---	---
---	---
---	---
---	---
---	---
---	---
20-250 VAC/Vdc, 50-60 Hz	20-250 VAC/Vdc, 50-60 Hz
< 10%	< 10%
< 15% (Sr)	< 15% (Sr)
200mA	200mA
---	---
< 2,5mA	< 2,5mA
< 10Vac ; < 8Vdc	< 10Vac ; < 8Vdc
YES	YES
25 Hz AC; 40 Hz DC	25 Hz AC; 40 Hz DC
---	---
< 1.0% (Sr)	< 1.0% (Sr)
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 ... +70 °C)	(-25 ... +70 °C)
IP67	IP67
---	---
---	---
PBT (RESIN)	PBT (RESIN)
---	---
262g	262g

SQUARE 40X40

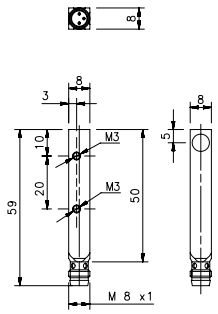


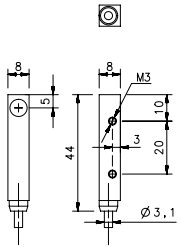




				SHORT	ANALOG OUTPUT
				FLUSH	NON FLUSH
				M12 conn.	Terminal Block
NOMINAL SWITCHING DISTANCE				**15mm**	**7-20mm**
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO-NC	4 wires		IS-40-X5-S2	---
			order No.	95B065320	---
10-30 Vdc	NPN NO-NC	4 wires		IS-40-X6-S2	---
			order No.	95B065310	---
10-30 Vdc	NO-NC	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NO	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NC	2 wires		---	---
			order No.	---	---
20-250 Vac	NO	2/3wires		---	---
			order No.	---	---
10-30 Vdc	Analog 0-20 mA	3 wires		---	IS-40-C11-S3
			order No.	---	95B065330
NAMUR amplifier	NAMUR	2 wires		---	---
			order No.	---	---
Nominal Voltage				10-30 Vdc	18-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 15% (Sr)	< 10% (Sr)
Max. Output Current				200mA	0-20mA/200 Ω Max.
Min. Output Current				---	---
Residual Current				< 0,01mA	---
Voltage Drop				< 1,5V	---
Operation Led				YES	---
Switching Frequency				100 Hz	100 Hz
Start Up Delay				---	---
Repeatability				< 1.0% (Sr)	0,02 mm
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25... +70 °C)	(-25 ... +70 °C)
Protection Degree				IP67	IP67
Cable Length				---	---
Cable Section				---	---
Housing Material				PBT (RESIN)	PBT (RESIN)
Weight - Cable Output				---	---
Weight - Connector Output				170 g	242g







SHORT

				M8 conn	cable
NOMINAL SWITCHING DISTANCE				**1,5mm**	**1,5mm**
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		IS-88-Q1-S1	IS-88-Q1-03
			order No.	95B060840	95B060830
10-30 Vdc	PNP NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NO-NC	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NO	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NC	2 wires		---	---
			order No.	---	---
20-250 Vac	NO	2/3wires		---	---
			order No.	---	---
10-30 Vdc	Analog 0-20 mA	3 wires		---	---
			order No.	---	---
NAMUR amplifier	NAMUR	2 wires		---	---
			order No.	---	---
Nominal Voltage				10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 10% (Sr)	< 10% (Sr)
Max. Output Current				200mA	200mA
Min. Output Current				---	---
Residual Current				---	---
Voltage Drop				< 1,2V	< 1,2V
Operation Led				Yellow	Yellow
Switching Frequency				500 Hz	500 Hz
Start Up Delay				75 ms	75 ms
Repeatability				< 3%	< 3%
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 ... +70 °C)	(-25 ... +70 °C)
Protection Degree				IP67	IP67
Cable Length				---	2 m
Cable Section				---	3x0,14mm²
Housing Material				nickel-plated brass	nickel-plated brass
Weight - Cable Output				---	80 g
Weight - Connector Output				40 g	---

Capacitive sensors are noncontact proximity devices suitable for detecting metals, nonmetals, solids, and liquids. The oscillating circuit is influenced by variations in capacity. When any material comes close to the active face, the capacity of the sensor varies and, if the threshold distance is passed, the sensor switches the state of its outputs. Like for the inductive sensors, the operating distance is calculated using a square piece of Fe37, with 1 mm thickness. The variation of the capacitance is due to the conductivity or non-conductivity of the different materials. Conductive materials change the capacitance of the sensor, while non-conductive materials change the dielectric constant of the reference capacitor; the sensor feel the variation of the generated electric field by its active sensing face.

Datalogic offers a basic range for the Capacitive sensors, M18 and M30 tubular housing, in Direct or Alternated Current, in nickel-plated brass or plastic housing, with timer and sensitivity adjustment trimmer, equipped with the industrial standard outputs, suitable for the most common applications of detection and in the filling level control of the materials.

Nickel plated brass

M18, M30

Basic series (NO-NC)

Capacitive A.C. series (plastic housing)

Multi-voltage series (SPDT relay)

Operating distance: 5...25 mm

Cable or M8 connector

2,4,6 wires

PNP or NPN, N.O. and N.C. outputs, SPDT relay

Delay ON or delay OFF model

IP67 protection

MATERIALS	REDUCTION FACTOR
Metal (Fe37)	1xSn
Water	1xSn
P.V.C.	0.5xSn
Glass	0.5xSn
Wood	0.4xSn