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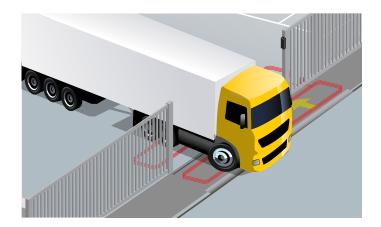


DESCRIPTION

BEA's **MATRIX FAMILY** of induction loop detectors is designed for vehicle detection application in industrial environments.

These UL 508 listed loop detectors offer a wide range of features including automatic boost sensitivity (ABS), pulse on entry and pulse on exit.

The **MATRIX FAMILY** includes single and dual loop detectors with operating voltages of 110 - 120 VAC or 12 - 24 VAC / VDC, depending on model.



Two Loop Models Available Available in single or dual loop models

Dual Outputs Two relay outputs

Vehicle Detection, Direction And Counting

Ideal for vehicle directionality and sequencing applications

Easy To Adjust Settings are adjusted via two potentiometers

Feature Rich Pulse on entry and pulse on exit presence detection

APPLICATIONS



Parking Gates

TECHNICAL SPECIFICATIONS

Tuning	Automatic
Connector	11-pin male (86CP11)
Presence Time	1 min – infinity
Pulse Time Output	100 ms or 500 ms
LED Indicators	
Green	Power
Red	Loop Status 1 / Loop Status 2
Frequency Range	20 kHz – 130 kHz
Frequency Steps	
Single Loop	4
Double Loop	2 (for each loop)
Sensitivity (ΔL/L)	0.005 – 0.5%
Reaction Time	
Single Loop	25 ms
Double Loop	50 ms (each channel)
Setup Time After Configuration	
Power Supply	12 – 24 AC / DC ±10%
(depending on model)	115 VAC ±10%
Power Frequency	48 – 62 Hz
Power Consumption	< 2.5 W
Temperature Range	-22 – 158 °F (-30 – 70 °C)
Protections	Loop Insulation Transformer
	Zener Diodes
	Gas Discharge Clamping
Inductance Range	20 – 1000 µH
Connection	86CP11 (Standard 11-pin Round)
Relay Outputs	2 (free potential change-over contact)
Max. Contact Voltage	230 VAC
Max. Contact Current	5 A (resistive)
Setup Time at Power On	8 s max by channel
Norm Conformity	R&TTE: 1999 / 5 / EC
	EMC: 89 / 336 / EEC EMC: 89 / 336 / EE
	EMC: 2004 / 108 / EC
	FCC: 47 CFR 15
	IC: RSS-210 ISSUE 5
	UL Listed equipment for UL 508
Degree of Protection	IP40
Weight	7 oz
Dimensions	1 ½" (W) × 3" (H) × 3" (D)
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Industrial Door Vehicle Detection



Industrial Gates & Barriers

PRODUCT SERIES



10MATRIXD110 110 - 120 VAC, Dual loop detector

10MATRIXII1224 12 – 24 VAC / VDC, Single loop detector



10PSMDR2024 Power supply, 100 – 240 VAC, 24 VDC



Entry & Exit

10MATRIXD1224

12 - 24 VAC / VDC,

Dual loop detector

70.0262

din rail



10MATRIXIIS110 110 - 120 VAC, Single loop detector



10MATRIXHARN 11-pin harness



Plug-in power supply, 24 V 2 AMP

11-pin Socket based



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