

ATtingimus

AT-CA Type M

RADAR
COLLISION
AVOIDANCE



Compact collision avoidance
Radar, for AGV or ForkTruck
applications.

0.2 - 20 metre range
Detects moving or stationary objects
Indoor and outdoor operation
Robust design ideal for harsh environments
Not affected by rain, snow or fog

The AT-CA-Type M collision avoidance sensors use FMCW Radar to detect object in up to 20 metres away. The robust design is ideal for harsh environments and the detection technology is not affected by adverse weather or conditions (rain/snow/dust).

The sensors protection area is divided into 5 equal detection zones, each a percentage of the overall selected range (0-20%, 20-40%, 40-60%, 60-80% and 80-100%) The CAN bus output data identifies which zone has an object / obstruction, and can be used by the customer control system to warn the vehicle driver in time to avoid a collision.

The AT-CA-Type S sensors can be used as individual sensors for object detection. The AT-CA-Type M sensors can be used individually (with a terminating plug) or in 'Buddy Systems' where up to 50 sensors can be linked together to provide a larger protection zone.

Model Number

AC-CA Compact

Range	0.2 - 20 metres (1 metre increments)
Beam angle	Horizontal 70° (+/- 35°) can be configured as 90° Vertical 11° (+/- 5.5°)
Accuracy	2% of distance measured
Moving/ Stationary	Moving or stationary
Resolution	Decimeter
IP rating	IP67
Connections	M12 4 pin supply and output M12 5 pin buddy connection (or terminator plug)
Output	CAN bus
Supply voltage	10-30vDC
Supply current	130mA
Max current	500mA
Response time	71mS
Operating temp.	-40° to 85°
Storage temp.	-40° to 100°
Approvals	CE, FCC, IC
UK EU ISO standard	Radio Standard ETSI EN 300 440 with 250MHz bandwidth
Case/ material	Lower housing - Alg, black anodized Housing cover - POM Plastic black
Weight	650g
Dimensions	138mm x 59mm x 42mm (EYE Format)

For more information:

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