



DA Series FlexEdge High Speed Rate Counter Module

Item number: DAM00I02C0000000

The FlexEdge High Speed Rate Counter Module easily upgrades, adapts and expands almost any industrial application with a field-installable module. Ideal for monitoring quadrature/direction encoders, counting events, measuring pulse width and rates. Rugged packaging built for long life and superior performance in harsh conditions.



Monitor and control applications with added high speed rate and counter capability on your DA70 FlexEdge controller

Features and benefits

✓ **Field-installable module for your DA70**

Do more with your DA70. Plugs in easily into your FlexEdge for additional input capability. Counting modes include quadrature/direction encoders, count events on one input, sum events on two inputs, count with direction, count SSR output activations, etc.

✓ **Flexible inputs are easy to configure**

Adds three counters to DA70 products. Four count inputs and four user inputs. Dual channel counter inputs configurable for count, rate, or quadrature counting modes.

✓ **Easy to use graphical interface**

Configured with Crimson® configuration software (version 3.2 or later). User-friendly web browser interface makes it easy to set up new systems and recalibrate.

✓ **LED status monitoring**

One LED indicator for each I/O point and a status LED.

✓ **Leading industry certifications**

ATEX/IECEX and Class 1, Division 2 approvals for hazardous locations. ABS certifications.

✓ **Fully isolated inputs**

Offers complete isolation on inputs, outputs, power, and communication

✓ **High performing output channels**

Four setpoint outputs and four digital outputs. Outputs are sinking with max of 1 A per channel.

✓ **Simple to setup and deploy**

Pluggable wire clamp screw block terminals are provided for the I/O wiring connections. Comes with an on-device wiring diagram.

✓ **Designed for harsh industrial environments**

Engineered to deliver uncompromising performance in demanding environments. IP30 enclosure. Operating temperature of -40 °C to 75 °C.

✓ **Power supplied by FlexEdge DA70 host controller**

Maximum power is 2.0 W. Hot-swappable in non-hazardous locations.

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General

Net Weight (g)	0.01
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	308.01
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	80
Relative Humidity	0 to 95% max. RH noncondensing
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	DAM00I02C0000000
Country of Origin	United States of America (the)
HS Code	8517790000
Dual Usage	No

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Identification and Status

Export Control Classification Number (ECCN)	EAR99
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Physical Features

Connectors / Input / Output	Terminal
SD Card Slot	Yes
Flash Drive	No
Contains Battery	No

Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	Yes
UL	Yes
ATEX	Yes
DNV	No
KC	No
Vibration and Shock	Shock: IEC 68-2-27: Operational 15 g; Vibration: IEC 68-2-6: Operational 5-500 Hz, 2 g