



Product availability: Non-Stock - Not normally stocked in distribution facility  
Price\*: 583.50 USD



## Main

Commercial Status	Commercialised
Range of product	Modicon M238 logic controller
Product or component type	Counter module
Electrical connection	2 spring terminal blocks

## Complementary

Number of modules	3 counter modules per TM238 base
Discrete input number	12 conforming to EN/IEC 61131-2 type 1
Discrete output number	4
Application specific I/O	Axis following Downcounting Frequency generator Frequency meter Period measurement Upcounting
Counting mode	8 mode configurable
Counter inputs resolution	31 bits + sign
Counting frequency	60 kHz
Cycle time	1 ms
Input compatibility	Incremental signal encoder with 15...30 V source outputs 2 and 3-wire sensors (24 V)
Type of cable	Shielded cable >= 1 kHz
Isolation between channels and internal logic	1500 V for 1 minute
Discrete input type	High-speed (IN_SYNC) High-speed (IN_B) High-speed (IN_A) Auxiliary input (IN_REF) Auxiliary input (IN_EN) Auxiliary input (IN_CAP)
Discrete input logic	Positive logic (sink)
Discrete input voltage	24 V DC
Voltage state 1 guaranteed	15...30 V
Current state 1 guaranteed	5 mA
Voltage state 0 guaranteed	<= 5 V
Current state 0 guaranteed	<= 0.5 mA
Discrete input current	>= 2 mA 11 V
Discrete output logic	Positive logic (source)

Discrete output voltage	24 V DC 19.2...30 V
Discrete output current	0.5 A
Load current	0.5 A per output 2 A per module
Response time on output	<= 200 µs energisation/de-energisation
Leakage current	<= 0.1 mA at state 0
Voltage drop	<= 3 V at state 1
Output short-circuit current	> 0.5...1.5 A per output
Short-circuit protection	Automatic reset after disappearance of fault
Output overload protection	Automatic reset after disappearance of fault
Fallback status	Each channel held at its last value or set to the predefined value (0 or 1) Faulty channel set to 0
Load inductance	$L = 0.5/I^2F$
Load capacitance	50 µF
Local signalling	1 display block
Current consumption	<= 2 A 24 V DC external power supply <= 100 mA 5 V DC internal supply <= 100 mA 24 V DC internal supply
Mounting support	35 mm symmetrical DIN rail

### Ordering and shipping details

Category	22531 - PLCS, TWIDO, TWD
Discount Schedule	PC12
GTIN	00785901723462
Nbr. of units in pkg.	1
Package weight(Lbs)	0.53
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	ID

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0925 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

### Contractual warranty

Period	18 months
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