Specifications

Photo is representative

Eaton EP-401627

Eaton Moeller® series M22 Display, 2", TFT, 6 digital input + 2 configurable input (digital/0 - 10 V/0 - 20 mA/4 - 20 mA), 12 - 24 V DC, customized configuration

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 advanced Indicator
CATALOG NUMBER	EP-401627
MODEL CODE	M22-AI-8I-*
PRODUCT LENGTH/DEPTH	45 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	80 mm
PRODUCT WEIGHT	0.1 kg
CERTIFICATIONS	CE cULus
CATALOG NOTES	• Degree of protection IP20 (rear), IP66/IP69 (front) not evaluated by UL • The device is designed for mounting in enclosures, control cabinets, control panels or control desks. • Suitable for outdoor use. • For configuring the device via the USB-C port, use a USB-C cable that is suitable for both charging and data transfer.

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Product specifications

FITTED WITH:	Color display
FREQUENCY RATING	5 Hz (Counter frequency)
POLLUTION DEGREE	2
SUPPLY VOLTAGE AT DC - MAX	24 VDC
SUPPLY VOLTAGE AT DC - MIN	12 VDC
WIDTH OF THE FRONT	73 mm
RESOLUTION	12 Bit
PACKAGED FREE FALL HEIGHT (IEC/EN 60068-2-32)	0.3 m
OPENING DIAMETER	22.5 mm
INPUT	• 6 digital input + 2 configurable input (digital/0 - 10 V/0 - 20 mA/4 - 20 mA) • Cable length, unshielded: max. 100 m (Digital inputs 12/24 V DC, Counter) • Cable length, unshielded: max. 30 m (Analog input) • Analog input type: Voltage or current, selectable per input • Impedance (Analog Input): 200 Ω at current input, 13.3 kΩ at voltage input
ALTITUDE	Max. 2000 m
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
BUILT-IN DEPTH	36.1 mm
FRONT HEIGHT	50 mm
NUMBER OF BUTTONS (PROGRAMMABLE FUNCTION)	0
NUMBER OF BUTTONS WITH LED	0

Resources

DECLARATIONS OF CONFORMITY	eaton-advanced-indicator-declaration-of-conformity-eu251485en.pdf
FLYERS	eaton-rmq-titan-adv-ind-flyer-fl047016en-us.pdf
INSTALLATION INSTRUCTIONS	Eaton Rmq-Titan Advanced Indicator Il047034zu.pdf
INSTALLATION VIDEOS	RMQ-Titan Advanced Indicator
MANUALS AND USER GUIDES	eaton-rmq-titan-advanced-indicator-mn-v1-00-en-us.htm
MCAD MODEL	eaton-programmable-displays-mcad-3d-models-m22-ai-8i.stp eaton-programmable-displays-mcad-drawings-m22-ai-8i.dwg
PEP ECO-PASSPORT	eaton-programmable-displays-pep-eato-00451-v0102-en.pdf
SOFTWARE, FIRMWARE, AND APPLICATIONS	eaton-rmq-titan-advanced-indicator-configurator-v1-0-33.zip

NUMBER OF GREY-SCALES/BLUE-SCALES OF DISPLAY	256
NUMBER OF HW-INTERFACES (INDUSTRIAL ETHERNET)	0
NUMBER OF HW-INTERFACES (OTHER)	0
SCREWDRIVER SIZE	0.8 x 3.5 mm, Terminal screw, Standard screwdriver
VOLTAGE TYPE	DC
MOUNTING POSITION	Horizontal Vertical
OVERVOLTAGE CATEGORY	II
DISPLAY TYPE	TFT
PROTECTION AGAINST POLARITY REVERSAL	Yes
RELATIVE HUMIDITY	5 - 95 % (non-condensing)
DEGREE OF PROTECTION	IP20, rear
DEGREE OF PROTECTION (FRONT SIDE)	IP69K NEMA 13 NEMA 3R IP66 NEMA 4X, 12
NUMBER OF COLORS OF THE DISPLAY	65536
INPUT CURRENT	1.75 mA at signal 1 (at 12 V DC) 3.3 mA at signal 1 (at 24 V DC)
VIBRATION RESISTANCE	5 - 8.4 / 8.4 -150 Hz, 3,5 mm / 1 g
TOUCH TECHNOLOGY	None
INPUT VOLTAGE	Digital Inputs 12 V DC: 0: ≤ 5 (I1 - I8), 1: ≥ 8 (I1 - I8)
NUMBER OF HW-INTERFACES (PARALLEL)	0
NUMBER OF HW-INTERFACES (RS-232)	0
NUMBER OF HW-INTERFACES (RS-422)	0
NUMBER OF HW-INTERFACES (RS-485)	0
NUMBER OF HW-INTERFACES (SERIAL TTY)	0
NUMBER OF HW-INTERFACES (USB)	1
NUMBER OF HW-	0

INTERFACES (WIRELESS)	
NUMBER OF INTERFACES (PROFINET)	0
NUMBER OF ONLINE/RUNTIME LANGUAGES	4
NUMBER OF PASSWORD LEVELS	1
NUMBER OF PIXELS (HORIZONTAL)	320
NUMBER OF PIXELS (VERTICAL)	240
NUMBER OF SYSTEM BUTTONS	0
OPERATING TEMPERATURE - MAX	55 °C
OPERATING TEMPERATURE - MIN	-25 °C
SCREEN SIZE (DIAGONAL)	2 in
PERMISSIBLE VOLTAGE	10.2 - 28.8 V DC (rated operating voltage -15 %/+20 %)
POTENTIAL ISOLATION	Between Analog inputs and Digital inputs: no Power supply: no
POWER CONSUMPTION	1.2 W
RATED OPERATIONAL VOLTAGE	12 - 24 V DC SELV (safety extra low voltage/limited energy)
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 18 Impacts
TERMINAL CAPACITY	0.2 - 1.5 mm² (AWG22 - 16), solid 0.2 – 1.5 mm², flexible without ferrule 0.2 - 1.5 mm², flexible with ferrule

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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