

PMX420PLUS AC/DC AUST ONLY AU

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product is no longer available, Data sheet for information only



Displays are used in industrial and process automation for the visual display of

data or for the analogue presentation of electrical and non-electrical measurement values.

They are an important tool for user prompting, diagnostics and logging

when operating machines and systems. Displays support dialogue-based operation, display measured values and fault reports, and are used to monitor processes.

Features, such as the internal calculation of process variables, digital and analogue outputs or interference suppression functions upgrade simple displays to high-quality process interfaces which can independently control sub-processes .

General ordering data

Version	Display, -22...+22 mA (preset to 4...20 mA), -22...+22 mA / -11...+11 V
Order No.	7940011323
Type	PMX420PLUS AC/DC AUST ONLY AU
GTIN (EAN)	4032248565795
Qty.	1 items
Delivery status	Discontinued
Available until	2024-03-28T00:00:00+01:00
Alternative product	ACT20D-LED-UI-AO-4RC-AC-DC

PMX420PLUS AC/DC AUST ONLY AU

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

ROHS	Conform
------	---------

Dimensions and weights

Depth	96 mm	Depth (inches)	3.7795 inch
Height	48 mm	Height (inches)	1.8898 inch
Width	137 mm	Width (inches)	5.3937 inch
Length	137 mm	Length (inches)	5.3937 inch
Net weight	474 g		

Temperatures

Storage temperature	-25 °C...70 °C	Operating temperature	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1

Display

Display range	-9999...9999, -999...9999	Display value	Percentage or real value display
Type	4-digit, red LED, 14.2 mm	Decimal point	99.99
Scaling	Variable		

General data

Type of connection	Screw connection	Accuracy	0.1% of FSR
Input/Output	Voltage/current input	Type of mounting	Front mounting
Protection degree	IP20, IP65	DIN Rail compatibility	Yes
Supply voltage	90...275 V AC, 90...300 V DC	Long-term drift	0.1 % / 10.000 h
Linearity	<0.05 %, <0.1 % typ.	Step response time	300 ms (10...90 %)
Power consumption	8.5 W @ 24 V DC, 6 W @ 24 V DC	Temperature coefficient	<0.02 % / °C
Configuration	DIP switch	Cut-off frequency (-3 dB)	5 Hz

Input

Attenuation factor	0...99, programmable digital filter	Number inputs	1
Input resistance	25 Ω (current input) or 1.5 MΩ (voltage input)	Type	Adjustable input for current or voltage
Sensor current	4...20 mA	Min. step response time	300 ms (10...90 %)
Input signal	-22...+22 mA / -11...+11 V	Input current	-22...+22 mA (preset to 4...20 mA)
Input resistance, voltage	25 Ω	Input voltage	-11...+11 V
Response time	<50 ms		

PMX420PLUS AC/DC AUST ONLY AU

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Output

Number of channels	1	Last resistor, max.	850 Ω @ 20 mA (current output) / < 500 Ω (voltage output)
Residual ripple (analogue output)	<20 mVss		

Output current mode

Output current (current mode output)	0 (4)...20 mA
--------------------------------------	---------------

Output (digital)

Number of digital outputs	4	Type	2 x SPDT relay + 2 x NO relay
Alarm function	configurable, High or low alarm		

Output (analogue)

Number analogue outputs	1
-------------------------	---

Insulation coordination

Standard	EN 50178	Impulse withstand voltage	4 kV (1.2/50 μs)
EMC standards	DIN EN 61326, EN 61326	Pollution severity	2
Insulation voltage	2 kV input / power supply		

Connection data

Wire connection method	Screw connection	Type of connection	Screw connection
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2 mm ²		

Classifications

ETIM 8.0	EC000677	ETIM 9.0	EC000677
ETIM 10.0	EC000677	ECLASS 14.0	27-14-31-10
ECLASS 15.0	27-14-31-10		

PMX420PLUS AC/DC AUST ONLY AU

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

Drawings

www.weidmueller.com

