

# ELAPSED TIME COUNTERS

müller Bx 70.x9 - paladin 31x 2x0



## Overview

- For DIN-rail mounting
- Flush mount dimensions 45 x 35 mm
- With (Typ Bx 70.89) / without (Typ Bx 70.29) terminal cover
- Screw terminals (pull-up type)
- Touch proof connections
- With operation indicator (flashing LED)
- One version for 50 Hz and 60 Hz

## Supply voltage versions

- see technical data

## Order numbers

■ müller	■ paladin	
BW 70.29	311 270	AC without terminal cover
BG 70.29	312 270	DC without terminal cover
BW 70.89	311 280	AC with terminal cover
BG 70.89	312 280	DC with terminal cover

## Accessories



Terminal cover for Bx 70.29

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## Order information

	Voltage	EAN	Art. No.
<b>BW 70.29</b>	230 V 50-60 Hz	4022709209023	20902
<b>BW 70.29</b>	24 V 50-60 Hz	4022709209276	20927
<b>BG 70.29</b>	12-48 V DC	4022709201423	20142
<b>BW 70.89</b>	230 V 50-60 Hz	4022709209443	20944
<b>BG 70.89</b>	12-48 V DC	4022709201621	20162
<b>311 270</b>	230 V 50-60 Hz	4022709209054	20905
<b>312 270</b>	12-48 V DC	4022709201454	20145
<b>311 280</b>	230 V 50-60 Hz	4022709000682	00068
<b>312 280</b>	12-48 V DC	4022709000637	00063

Other supply voltage versions on request

## Technical data BW 70.x9 / 311 2x0 alternating current

Voltage tolerance	±15%
Power consumption (real power)	0,26 W
Counter capacity	99.999 h.
Accuracy of reading	0,1 h.
Numeral height	4,4 mm
Numeral colour	white, decimal figures red
Operation indicator	flashing LED
Permitted ambient temperature	-15°...+50°C
Housing	self-extinguishing thermoplastic
Mounting	35 mm DIN-rail
Type of connection	Screw terminals
Type of protection (DIN EN 60529)	without terminal cover IP 20 with terminal cover IP 50 to DIN EN 60529
Class of protection	II when fitting in accordance with regulations

## Technical data BG 70.x9 / 312 2x0 direct current

Supply voltages (please state when ordering)	12-48 V DC
Special voltages	36-120 V 100-300 V DC
Voltage tolerance	±10%
Power consumption (real power)	approx. 20 mW at 12 V DC
Counter capacity	99.999 h.
Accuracy of reading	0,1 h.
Numeral height	4,4 mm
Numeral colour	white, decimal figures red
Operation indicator	flashing LED
Permitted ambient temperature	-10°...+50°C
Housing	self-extinguishing thermoplastic
Mounting	35 mm DIN-rail
Type of connection	Screw terminals
Type of protection (DIN EN 60529)	without terminal cover IP 20 with terminal cover IP 50 to DIN EN 60529
Class of protection	III (up to 48 V DC)

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