

# Pulse counters, electromechanical

<b>Micro counters</b>	<b>High shock resistance, for DIN-rail (AC+DC)</b>	<b>SK 07</b>
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The micro-totalizers SK 07 boast a very high level of shock resistance.

Their DIN-rail mounting allows them to be installed quickly and easily in a wide range of application areas.

## Characteristics

- 7-digit micro-totalizers.
- Rail mounting to EN 50022.
- Base mount counters.
- Large optical figures.
- Low power consumption.
- Small dimensions.

## Benefits

- High shock resistance.
- Stores values if power fails.
- Long service life.

## Applications

General quantity counting, installation in control cabinets and distribution boxes.

## Type series

Description	Type	Order information
Base mounting and rail mounting	<b>SK 07.1</b>	<ul style="list-style-type: none"> <li>• Art. no.</li> <li>• For options please give exact counter type, voltage and options e.g.: SK 07.1 – 9 V DC/0 – temperature range -20°C ... +70°C [-4°F ... +158°F]</li> </ul>

## Technical data

<b>Electrical connection</b>	clamp terminal for cable diameter up to 2.5 mm <sup>2</sup> , tightening torque max. 0.8 Nm
<b>Power consumption</b> – at 20°C [68°F]	
at 10 Hz (type 0)	approx. 50 mW
at 25 Hz (type 1)	approx. 250 mW
at 10 Hz (type a0)	approx. 800 mVA
<b>Rated voltage</b>	
type 0	1.5/3/4.5/5/6/12 V DC, -10 %, +20 %
type 1	3/4.5/5/6/12/24 V DC, ±10 %
type a0	12/24/115/230 V AC, ±10 %
<b>Counting frequency</b>	max. 10 and 25 Hz
<b>Pulse duration</b>	
bei 10 Hz	min. 50 ms (type 0 and a0)
bei 25 Hz	min. 20 ms (type 1)
<b>Cycle duration factor</b>	100 %
<b>Number of digits</b>	7
<b>Counting system</b>	adding
<b>Height of figures</b> (optical)	4 x 1.2 mm [0.16 x 0.047"]
<b>Color of figures</b>	white on black
<b>Reset</b>	no reset
<b>Operating temperature</b>	-10°C ... +60°C [+14°F ... +140°F] (non-condensing)

<b>Mounting position</b>	horizontal, other on request
<b>Operating life</b>	> 50 x 10 <sup>6</sup> pulses
<b>Protection</b>	IP50 (front side)
<b>Housing</b>	plastic black PC (Polycarbonate)
<b>Weight</b>	55 g [1.94 oz]
<b>EMC standards</b>	EN 55011 class B EN 61000-6-2, EN 61000-6-3
<b>Device safety</b>	designed to EN 61010 part 1 protection class 2 application area pollution level 2
<b>UL approval</b>	file E128604

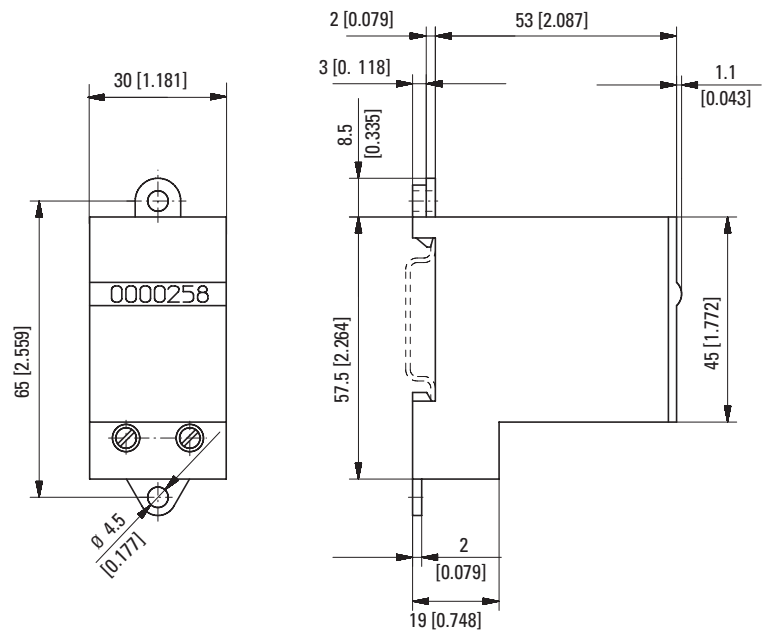
## Options

- electrical connection: flat pin 0.8 x 6.3 mm [0.032 x 0.25"], Art. no.: 1.1X2.X01.XXX.011
- different voltages
- different digit colors
- different temperature range depends on type  
-30°C ... +85°C [-22°F ... +185°F] or  
-20°C ... +70°C [-4°F ... +158°F]

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Base- and rail mounting  
Type SK 07.1



Pulse counters

Type	Voltage	Display	Art. no.			
			12 V	24 V	115 V	230 V
SK 07.1	DC (10 Hz) / 0	7 digits	1.132.101.012	1.132.101.013 <sup>1)</sup>		
	DC (25 Hz) / 1		1.132.101.032	1.132.101.033 <sup>1)</sup>		
	AC (10 Hz) / a0		1.132.101.051 <sup>1)</sup>	1.132.101.054 <sup>1)</sup>	1.132.101.056 <sup>1)</sup>	