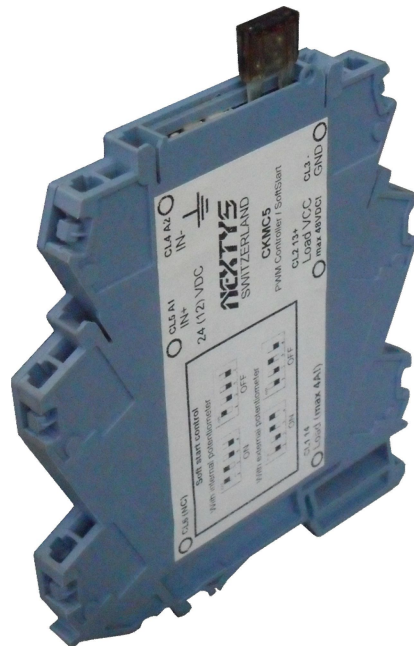


# CKMC5

Inrush current limiter 12V 24V 4A



## ■ Main Features

- High efficiency and compact size – 7.7mm width
- Plastic enclosure
- Class II insulation (simplified wiring)
- Optimal for cost saving rating of power supply with dynamic loads
- Allows to operate high inrush current load
- Suitable for loads where a power regulation is necessary (eg. Motors)
- Power level and soft-start duration are adjustable through 2 user settable potentiometers
- PWM (Pulse Width Modulation) technique

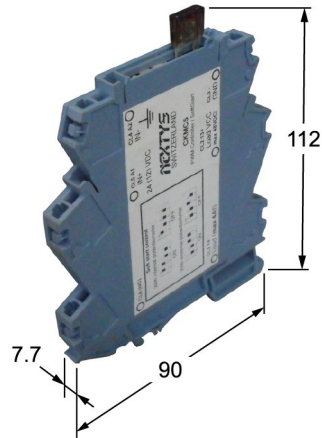
### TECHNICAL DATA

Model type	CKMC5	
<b>OUTPUT DATA</b>		
Rated voltage	12...30Vdc	
Continuous current	4A	
Overload limit	6A (max. 30s)	
Soft-start duration	<ul style="list-style-type: none"> <li>▪ Adjustable 0.5...5s with potentiometer</li> <li>▪ Adjustable with external potentiometer (5kΩ)</li> </ul>	
Power level range	<ul style="list-style-type: none"> <li>▪ Adjustable 0...100% with potentiometer</li> </ul>	
Protections (load side)	<ul style="list-style-type: none"> <li>▪ Short circuit (ATO fuse)</li> <li>▪ Reverse polarity</li> <li>▪ Transient overvoltage</li> </ul>	
<b>INPUT DATA</b>		
Input voltage for control side	12Vdc (factory set) or 24Vdc	
<b>GENERAL DATA</b>		
Operating temperature	- 20°C...+ 45°C	
Storage temperature	- 40°C...+ 80°C	
Humidity	5...95% r.H. non condensing	
Overvoltage category	▪ EN50178	I
Pollution degree	▪ IEC60664-1	2
Protection Class	▪ Class	II
Input / output isolation	0.75kVdc	
Safety Standards	<ul style="list-style-type: none"> <li>▪ EN60950 (reference)</li> <li>▪ EN50178 (reference)</li> </ul>	
EMC Emission	<ul style="list-style-type: none"> <li>▪ EN55011 (CISPR11) Class B</li> <li>▪ EN55022 (CISPR22) Class B</li> </ul>	
EMC Immunity	<ul style="list-style-type: none"> <li>▪ EN61000-4-2 Level 2</li> <li>▪ EN61000-4-3 Level 2</li> <li>▪ EN61000-4-4 Level 2</li> <li>▪ EN61000-4-5 Level 2</li> <li>▪ EN61000-4-11 Level 2</li> </ul>	
Protection degree	▪ EN60529	IP20
Connection terminals	2.5mm <sup>2</sup> , spring clamp terminal (24...12AWG)	
Case material	PA, Flame retardant UL94 V-0	
Weight	0.10kg	
Size (W x H x D)	7.7 x 112.0 x 90.0mm	
<b>Notes:</b> - Technical parameters are typical, measured in laboratory environment at 25°C and 12Vdc at nominal values, after minimum 5 minutes of operation. - Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details. - Data may change without prior notice in order to improve the product.		

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## DIMENSIONS



## CONNECTION

