

# PARAMETERISABLE FLASHER MODULE

ISO-pulse flasher unit - multivoltage

ONE FLASHER UNIT  
FOR ALL  
APPLICATIONS



- + FOR ALL COMBINATIONS OF INCANDESCENT LAMPS AND ISO LED LIGHTS
- + FOR OPERATING UP TO TWO TRAILERS
- + MULTIVOLTAGE 12V & 24V
- + NO TIME-CONSUMING TRAINING PROCESS REQUIRED
- + CONTROL OUTPUTS AND NUMBER OF INDICATORS ARE  
CUSTOMISABLE VIA SOFTWARE





## ISO-PULSE FLASHER UNIT

A freely parameterisable module for all applications

Experience has shown that selecting the right flasher unit can be complex. Analysing the lights installed in the vehicle, different on-board voltages and the wide temperature range costs valuable time while searching for the suitable component. This is precisely where our ISO pulse flasher unit enters the topic and offers an effective and safe implementation for the operation of bulbs and ISO LED indicators in any combination. This is relevant for vehicles that operate with different trailers, for example, or that want to offer several equipment variants of the lighting without changing the electronic system in the background.

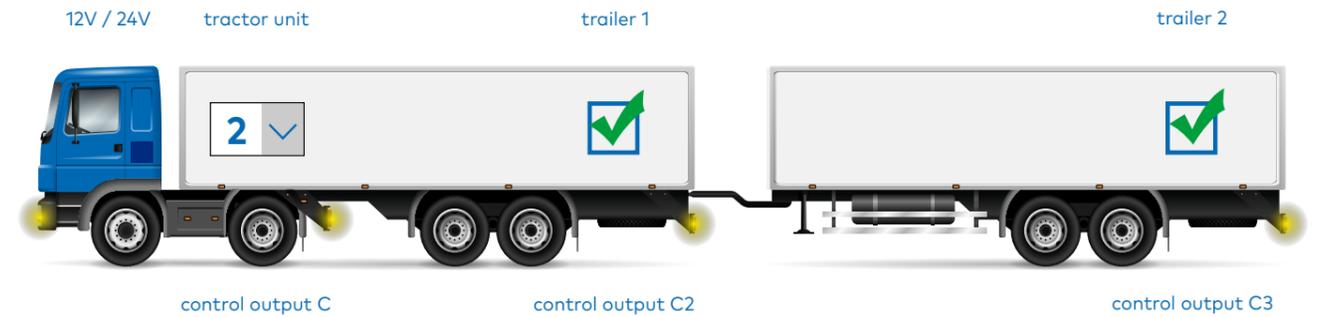
## PRODUCT ADVANTAGES

A standard module for different conditions

- + for all light source combinations (ISO pulse LED & incandescent lamps)
- + application in 12V and 24V electrical systems
- + no training process required (e.g. load & temperature range)
- + longevity through the use of semiconductor technology
- + shortcircuit proof due to automatic overload detection
- + minimum housing size 30mm x 30mm x 30 mm
- + pluggable on Mini-Relay Sockets, pin assignment according to ISO 7588-2

## SIMPLE AND SECURE CONFIGURATION

according to your vehicle specifications



### OPERATING MODE ISO-PULSE FLASHER UNIT

The flasher unit detects the specified energy requirement in a pulse phase at a predefined time. This pulse is similar in performance to that of an incandescent lamp, so that the flasher unit does not recognise any difference between an incandescent lamp and an LED light that complies with the ISO 13207 standard. Even changing the supply voltage from 12V to 24V has no effect on the measurement result and the failure detection still works reliably.

## 2 WAYS TO FIND THE RIGHT FLASHER UNIT

### 1 Autonomous parameterisation with the OneWire interface

#### YOU STOCK UP NEUTRAL MIUNSKÉ ISO-PULSE FLASHER UNITS

If needed, connect a flasher unit to your PC via the miunske OneWire interface. The vehicle-specific parameters can be quickly selected via the miunske-toolchain and transferred to the flasher unit.



#### ADVANTAGE:

maximum flexibility and **immediate availability** of the right flasher unit

### 2 Data transfer and plug & play delivery

#### YOU SEND US THE FOLLOWING FUNCTION PARAMETERS:

- numbers of indicators on each side of the vehicle
- number of trailers
- assignment of the control outputs with C, C2, C3
- write protection required: yes / no



After ordering, the **generated set of parameters will be assigned a unique article number** and parameterised to the ISO pulse flasher unit.

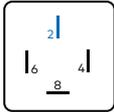
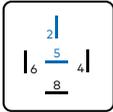
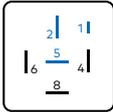
#### ADVANTAGE:

You will promptly receive your function-specific **iso-pulse flasher unit with clear labelling** and associated parameter documentation.

# VARIANTS

## ISO-pulse flasher unit

article number	<b>5023986</b>	<b>5023987</b>	<b>5023988</b>
number of control functions	1	2	3
	C	C, C2	C, C2, C3

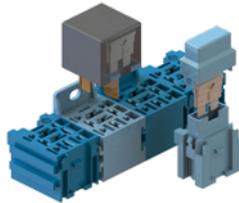
connectors	4 x 6,3 mm	5 x 6,3 mm	5 x 6,3 mm / 1 x 2,8 mm
pin configuration			
outputs	2	2 & 5	1, 2 & 5
	Outputs 1, 2 and 5 can be parameterised individually with the control functions C, C2 and C3.		
parameterisation	per OneWire-interface article <b>5020263</b> and adapter cable <b>5024088</b>		

# RELAY SOCKET SYSTEM

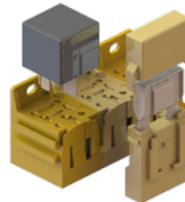
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micro-relay socket



mini-relay socket



power-relay socket



coloured relay sockets

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