

# ICCS – Intelligent Control and Command Systems



## Nano ICCS

**Nano ICCS** – Small and powerful controllers shaped as relays.

### Function

- Relay with 5 or 6 contacts
- MSP430 16 Bit microcontroller with flash memory
- On S1, S2 and S3 types: Input is active on high level (positive logic input)
- On S1 NEG and S2 NEG types: Input is active on low level (negative logic input)
- Diagrams S2 and S3: Relay contact potential free and it is able to switch battery or ground potential
- Diagram S2: Relay contacts and power supply separated from the trigger
- Low quiescent current of ~1 mA
- Programming through WE ICS
- Conform to EMC-guidelines
- Total housing dimension 30 x 30 x 40 mm
- Robust and reliable
- Connection
  - Diagrams S1 and S3: 5 x 6,3 mm faston
  - Diagram S2: 5 x 6,3 mm faston  
1 x 2,8 mm faston

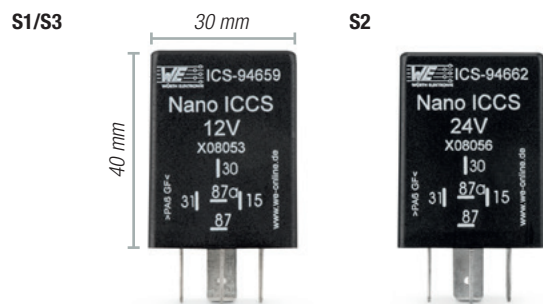
### Application examples

- Rear window heating
- Delayed turn-off of the lighting
- Fan switch-off delay
- etc.

### Technical data

General information	
Operating temperature	-40 °C to 85°C
Operating voltage	12 V or 24 V version
Continuous current	20/30 A (NC/NO)
Breaking current max	60 A
Quiescent current	<1 mA
Ingress protection	IP 53 IP 65 with specific socket
e1 approval-no.	03 5688

### Housing



### Diagrams concept

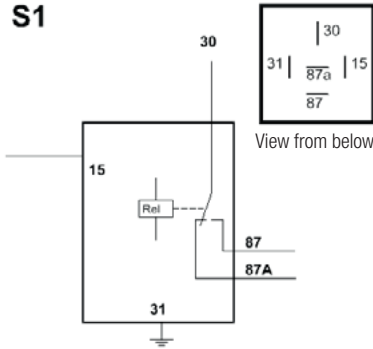
	S1	S2	S3
Electronics' power	linked	standalone	linked
Main power	linked	standalone	standalone
Digital input	standalone	standalone	linked

# ICCS Nano ICCS

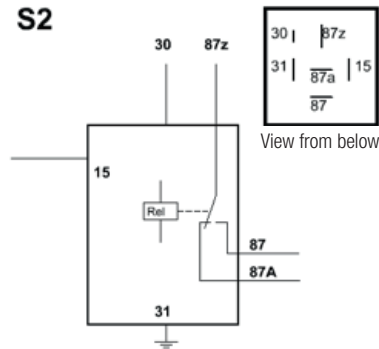


## Diagrams

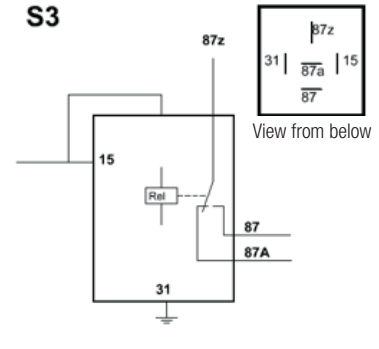
### S1



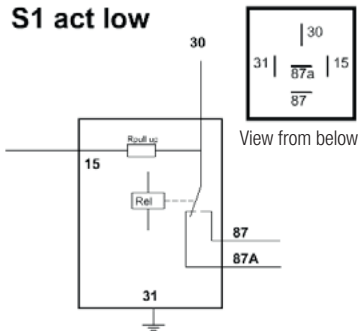
### S2



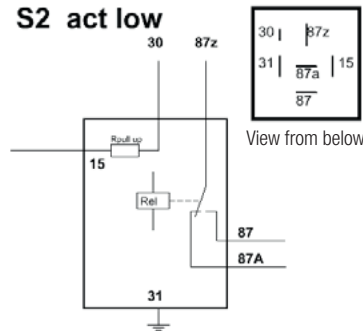
### S3



### S1 act low



### S2 act low



## Order information

Description	VCC	SDK No.	Order No. WE ICS
Nano ICCS 12 V S1	VCC pin 30	X08053	ICS-94659
Nano ICCS 12 V S1 NEG	VCC pin 30	X08305	ICS-100642
Nano ICCS 12 V S2	VCC pin 30	X08054	ICS-94660
Nano ICCS 12 V S2 NEG	VCC pin 30	X08306	ICS-100643
Nano ICCS 12 V S3	VCC pin 15	X08055	ICS-94661
Nano ICCS 24 V S1	VCC pin 30	X08056	ICS-94662
Nano ICCS 24 V S1 NEG	VCC pin 30	X08307	ICS-100644
Nano ICCS 24 V S2	VCC pin 30	X08057	ICS-94663
Nano ICCS 24 V S2 NEG	VCC pin 30	X08308	ICS-100645
Nano ICCS 24 V S3	VCC pin 15	X08058	ICS-94664

- Creation of special programs on demand
- Nano ICCS can be configured and parameterized and programmed individually:
  - Standard functions as delay, impulse, toggle functions etc.
  - Other functions, which can be realized with one digital input and relay change over contacts
  - Combination of all the functions with each other

## IP65 Socket: ICS-102300

- Specially made relay socket for Nano/Micro series
- Efficient mounting solution for harsh environments up to IP65



This item is a standard product, please consider the relevant datasheet notes.  
The user is responsible for the product's functionality in its purposed system environment.

For more information visit us  
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