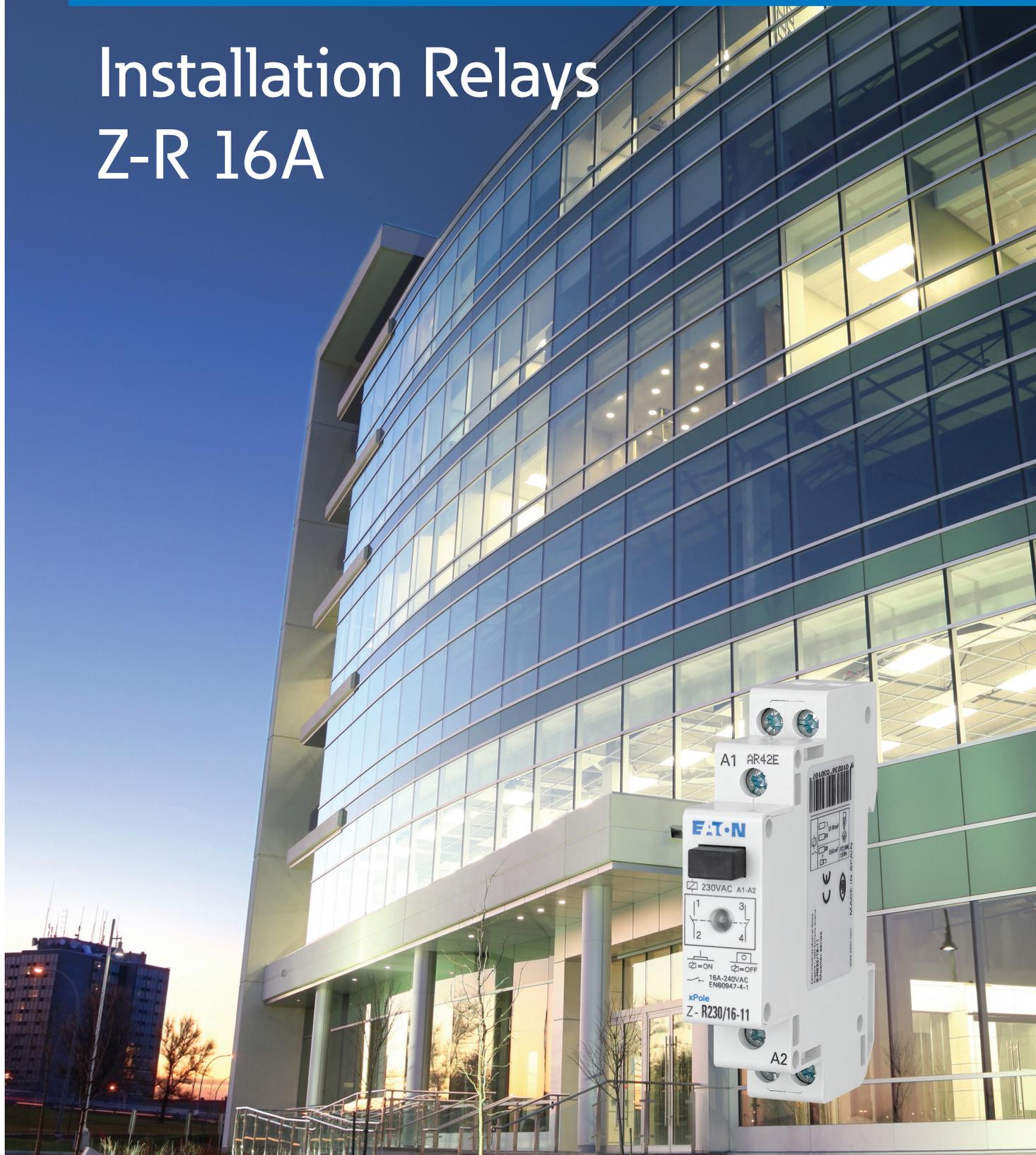


Installation Relays Z-R 16A



Powering Business Worldwide

Installation Relays Series Z-R 16A



- Switching and controlling of circuits up to 16 A, in accordance with EN 61095
- Hum free thanks to an innovative print-relay platform
- Manual operation for test purposes
- Low power loss
- Display of the operating status via LED

Functions & Features

The new Z-R 16 A installation relay is based on an innovative print-relay platform and is capable of switching single-phase loads up to 16 A. The device can be operated manually for test purposes and is suitable for many

switching and control applications. The innovative print-relay platform stands out for its compact design and hum-free operation. It complies with EN 60947-4-1 and allows for a high degree of flexibility

thanks to various contact configurations. The device has been designed to facilitate quick mounting on the DIN rail, with connection made easy thanks to generously proportioned terminals.

Possible applications

The Z-R 16 A installation relay offers a universal solution for control and switching tasks in private and commercial building installations. In particular,

the areas of application include lighting systems, electric heating, ventilation as well as air-conditioning systems, fans, and

heat pumps. Thanks to the hum-free operation, the Z-R 16 A series is especially suited for use in hotels, hospitals as well as offices.



Selection Information



Control voltage	Function	Type designation	Article no.
Type Z-R			
230-240 V 50/60 Hz	1NO	Z-R230/16-10	ICS-R16A230B100
230-240 V 50/60 Hz	2NO	Z-R230/16-20	ICS-R16A230B200
230-240 V 50/60 Hz	1NC	Z-R230/16-01	ICS-R16A230B010
230-240 V 50/60 Hz	1NO+1NC	Z-R230/16-11	ICS-R16A230B110
24 V 50/60 Hz	1NO	Z-R24/16-10	ICS-R16A024B100
24 V 50/60 Hz	2NO	Z-R24/16-20	ICS-R16A024B200
24 V 50/60 Hz	1NC	Z-R24/16-01	ICS-R16A024B010
24 V 50/60 Hz	1NO+1NC	Z-R24/16-11	ICS-R16A024B110
24 V DC	1NO	Z-R23/16-10	ICS-R16D024B100
24 V DC	2 NO	Z-R23/16-20	ICS-R16D024B200
24 V DC	1 NC	Z-R23/16-01	ICS-R16D024B010
24 V DC	1NO+1NC	Z-R23/16-11	ICS-R16D024B110

Technical data

General

In accordance with		IEC/EN 60947-4-1
Rated voltage		1p: 240 V
Rated current AC1	I_e	16 A AC1
Rated operational power	P_e	3.8 kW
Rated peak withstand voltage	U_{imp}	2.5 kV (1.2/50 μ s)

Control circuit

Rated control feed voltage	U_s	24, 230, 240 V AC 24 V DC
Rated frequency		50, 60 Hz
Funktionsbereich		0.85-1,1 x U_s
Maximum power of coils Retaining		24, 230, 240 V AC: 0.75 W per pole 24 V DC: 0.4 W per pole
Operating noise		no humming

Load circuit

Rated operational voltage	U_e	240 V
Rated frequency		50, 60 Hz
Rated insulation voltage	U_i	240 V
Conventional thermal current	I_{th}	16 A
Rated operational current	I_e	16 A
Rated constant current	I_u	6 A
Rated current DC		
24 V	I_e	16 A
48 V	I_e	1.2 A
120 V	I_e	0.22 A
250 V	I_e	0.1 A

Utilization categories

AC-1		
Rated operational voltage	U_e	240 V AC
Rated operational current	I_e	16 A AC
Rated operational power		3072 W ($\cos \varphi = 0.8$)
AC-3		
Rated operational voltage	U_e	240 V AC
Rated operational current	I_e	3 A AC
Rated operational power		324 W ($\cos \varphi = 0.45$)
AC-5a		
Rated operational voltage	U_e	240 V AC
Rated operational current	I_e	5 A AC
Rated operational power		540 W ($\cos \varphi = 0.45$)
Make-/break-current	I_c	15 A AC
AC-5b		
Rated operational voltage	U_e	240 V AC
Rated operational current	I_e	3 A AC
Rated operational power		720 W
Make-/break-current	I_c	4.5 A AC
AC-7a		
Rated operational voltage	U_e	240 V AC
Rated operational current	I_e	10 A AC
Rated operational power		1920 W ($\cos \varphi = 0.8$)
Make-/break-current	I_c	24 A AC

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