

## Timed contacts KZR3-RS Part number 85100736



- "Emergency stop" and "mobile guard monitoring" functions
- Safety timer function from 0,5 s to 30 s
- Integrity check on control devices
- 1 "N/O" instantaneous safety contact with linked contacts-6A/250 V AC
- 1 "N/O" timed safety contact with linked contacts - 6A/250 V AC
- 1 "N/C" timed safety contact with linked contacts-6A/250 V AC
- 1 "N/C" timed signalling contact
- Level 4 according to NF.EN 954-1

	Type	Function	Level of safety	Safety contacts	Casing	Supply voltage	Connections	Weight (g)
85100736	KZR3-RS	Timed contacts	Emergency stop	Mobile guard monitoring	4	1 instantané 2 temporisés	45 mm 24 V ACDC	*** TRADUCTION MANQUANTE *** 410

### Supply voltage

On/off indication	1 power supply voltage LED
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### Type

Breaking capacity (V resistive)	1500 VA
Max. breaking current	6,82 A
Max. breaking voltage	440 V AC
Electrical endurance	10 <sup>5</sup> operations at 1500 VA resistive 5x10 <sup>5</sup> operations at 500 VA resistive
Mechanical life (operations)	10 <sup>7</sup>

### On/off indication

Operating temperature (°C) IEC 68-2-14	0 → +50
Storage temperature (IEC 68-2-12) (°C)	-20 → +70
Internal voltage	24 V DC

### fast transients

Drop-out / short breaks / microbreaks	Un-30% for 10 ms every 1 s Un-60% for 100 ms every 1 s according to IEC 61496-1/97 Un-100% for 10 ms every 100 ms Un-50% for 20 ms every 200 ms Un-50% for 500 ms every 5 s
Material	Polycarbonate Self-extinguishing-UL94 class VO
Protection Housing	IP 40
Degree of terminal protection	IP 20
Connection capacity	2 x 1,5 mm <sup>2</sup> multicore with ferrule 2 x 2,5 mm <sup>2</sup> solid conductor
Spring terminals, 2 terminals per connection point - rigid wire	2,5 mm <sup>2</sup>
Spring terminals, 2 terminals per connection point - flexible wire	1,5 mm <sup>2</sup>

### Operating range

#### Reset time

Maximum response time on emergency stop	< 50 ms
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#### Number of safety circuits

Number of data circuits	1 "NC" AgS <sup>2</sup> ; contact
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#### Absorbed power

Dielectric strength	*** TRADUCTION MANQUANTE ***
Resistance to tracking	Material group III

#### Radiated electromagnetic field

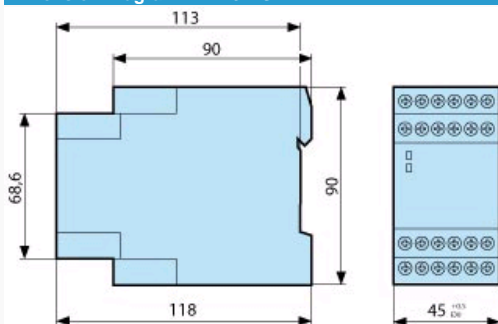
Electrostatic discharge	15 kV in the air acc. to IEC 1000.4.2.
Shock waves	Level 3 acc. to IEC 1000.4.5 Common mode 4 kV for 230 V AC Common mode 2 kV for 24 V DC and 24 V AC
Radio frequencies in common mode	30 V rms Level X acc. to IEC 1000.4.3 150 kHz to 80 MHz (ENV 50141) acc. to IEC 1000.4.11

#### European "Machinery" Directive 89/392/EEC

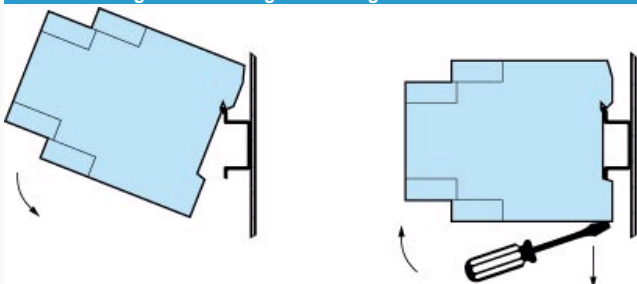
French decree 92/765-766-768	•
European "Usage" Directive 89/655/EEC	•
French decree 93-40 /93-41	•
IEC 61496-1	•

IEC 664-1	•
En 50081-2	•
EN 50082-2	•
EN 60204-1	•
EN 292-1 and 2	•
EN 954-1	Category 4
EN 418	•
EN 1088	•
UL 508	UL
C22-2N°14 M91	(c) UL
GS-ET-20	BG

#### Dimension Diagram : KZR3-RS



#### Dimension Diagram : Mounting - Removing



Depending on the degree of safety required, KZR3-RS can receive the following components as inputs:

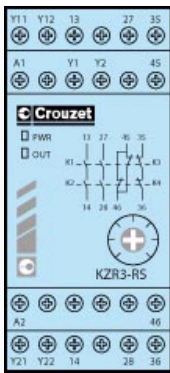
- emergency stop pushbuttons with two contacts (Y11-Y12 and Y21-Y22)
- position sensors (limit switches) with one or two contacts (Y11-Y12 and Y21-Y22)
- auxiliary contact for electromagnetic lock (Y11-Y12 and Y21-Y22)
- pushbutton for start or validation (Y1-Y2)

A positive break operation device must be used if a single contact is used.

The KZR3-RS has one "N/O" instantaneous safety category 4 contact (13-14), one "N/O" timed safety category 3 contact (23-24) and one "N/C" (41-42) signalling contact. One or more control devices may be wired up to the breaking capacity of the safety contacts: 1500 VA.

The number of contacts of the KZR3-XS can be extended and the breaking capacity thus increased. To do this, use the KZE3-XS.

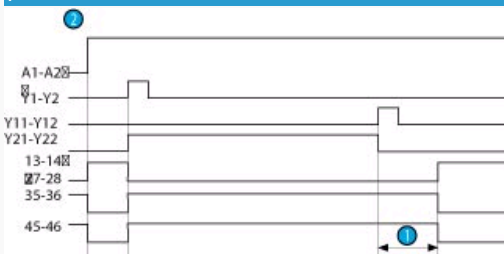
#### : KZR3-RS

**Lég.**

A1-A2  
 Y11-Y12 / Y21-Y22  
 Y1-Y2  
 13-14  
 23-24  
 31-32  
 41-42

**Legend**

Power supply  
 Redundant inputs with differentiated voltage for control devices  
 Start/validation  
 "N/O" instantaneous safety contact  
 "N/O" timed safety contact  
 "N/C" timed safety contact  
 "N/C" timed data contact

**Lég.**

1  
 2

**Legend**

Timed  
 Power-up