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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 ⁵ operations at 1500 VA resistive 5x10 ⁵ operations at 500 VA resistive
Mechanical life (operations)	10 ⁷

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
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Material	Polycarbonate Self-extinguishing-UL94 class VO
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Protection Housing	IP 40
Degree of terminal protection	IP 20
Connection capacity	2 x 1,5 mm ² multicore with ferrule 2 x 2,5 mm ² solid conductor
Spring terminals, 2 terminals per connection point - rigid wire	2,5 mm ²
Spring terminals, 2 terminals per connection point - flexible wire	1,5 mm ²

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 ² ; contact
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Absorbed power

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

Radiated electromagnetic field

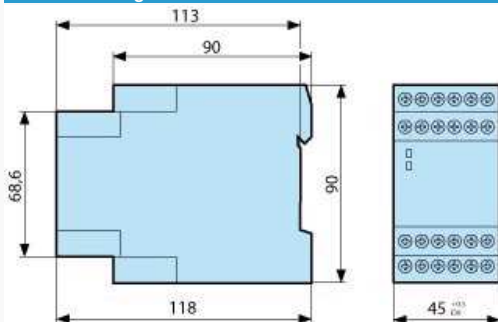
Electrostatic discharge	15 kV in the air acc. to IEC 1000.4.2.
Shock waves	Level 3 acc. to IEC 1000.4.5 Common mode 4 kV for 230 V AC Common mode 2 kV for 24 V DC and 24 V AC
Radio frequencies in common mode	30 V rms Level X acc. to IEC 1000.4.3 150 kHz to 80 MHz (ENV 50141) acc. to IEC 1000.4.11

European "Machinery" Directive 89/392/EEC

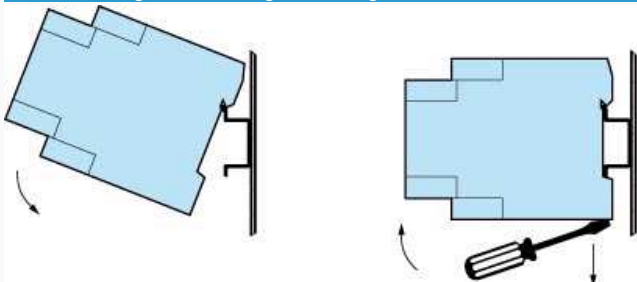
French decree 92/765-766-768	•
European "Usage" Directive 89/655/EEC	•
French decree 93-40 /93-41	•
IEC 61496-1	•

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



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

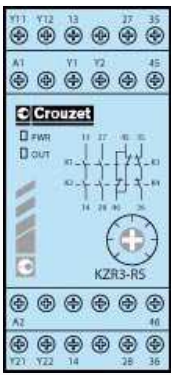
- emergency stop pushbuttons with two contacts (Y11-Y12 and Y21-Y22)
- position sensors (limit switches) with one or two contacts (Y11-Y12 and Y21-Y22)
- auxiliary contact for electromagnetic lock (Y11-Y12 and Y21-Y22)
- pushbutton for start or validation (Y1-Y2)

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

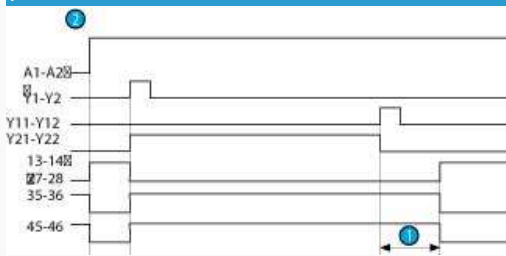
The KZR3-RS has one "N/O" instantaneous safety category 4 contact (13-14), one "N/O" timed safety category 3 contact (23-24) and one "N/C" (41-42) signalling contact. One or more control devices may be wired up to the breaking capacity of the safety contacts: 1500 VA.

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.	Legend
A1-A2	Power supply
Y11-Y12 / Y21-Y22	Redundant inputs with differentiated voltage for control devices
Y1-Y2	Start/validation
13-14	"N/O" instantaneous safety contact
23-24	"N/O" timed safety contact
31-32	"N/C" timed safety contact
41-42	"N/C" timed data contact



Lég.	Legend
1	Timed
2	Power-up