

Kompakt - Überlastsicherungen Compact overload devices

Kompakt-Überlastsicherungen

Typ R-0311b/N, R-0312b/N, R-313d/N, R-0316d/N und R-0318c/N zum Schutz von Hebezeugen gegen Überlast und Zerstörung.

Vorteile:

- Voraussetzung für technische Kranabnahmen
- Die Bedingungen der Unfallverhütungs vorschriften BGV D6 werden in vollem Umfang erfüllt
- Option A: Werkseitige Kalibrierung von Kraftsensor und Überlastsicherung
- Leichte Einstellung
- Fail-Safe-Technik
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Compact overload Devices

type R-0311b/N, R-0312b/N, R-313d/N, R-0316d/N und R-0318c/N to protect hoistings against Overload and destruction.

Advantages:

- Requirement for technical crane acceptance inspection
- Essential for crane safety approval, completely satisfying the requirements of german regulations *BGV D6* for accident prevention
- Option A: Calibration of loadcell and overload device in factory
- Simple adjustment
- Fail Safe technics

Standard Überlastsicherungen:

Standard overload devices:

Beschreibung	R-0311b/N	R-0312b/N	R-0313e/N	R-0316d/N	R-0318c/N	Description
Eingang DMS	1	1	1	1	2	Input strain gage
Relais Überlast / Schlaffseil	1	2	1	2 / 2	3 / 3	Relay overload / Slack rope
Stromausgang 0/4..20 mA	-	-	1	1	2	Current output 0/4..20 mA
Additionsstufe	-	-	-	1	1	Addition stage
Fale Safe Technik	1	1	1	1	1	Fale Safe Technics
Netzteil 230/115 V/50-60 Hz	1	1	1	1	1	Supply 230/115 V/50-60 Hz



R-0311b/N



R-0313e/N



R-0318c/N



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Technische Daten:

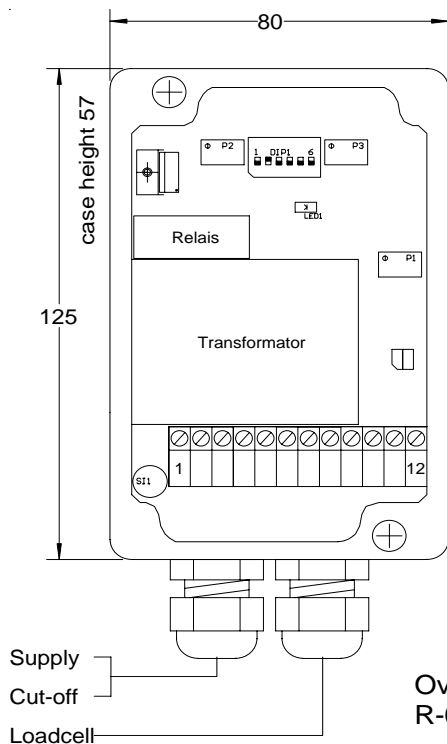
Eingänge: 350 Ohm DMS-Vollbrücke
 Ausgänge: a) Relaiswechsler potentialfrei 230V/6A
 b) für Anzeigeninstrument DC 0/4..20 mA
 Versorgung: 230/115V / 50..60 Hz
 Temperatur: -25 ...+75 °C
 Abgleich: Präzisions-Trimmer
 Schutzart: IP 65
 Gehäuse: Alu-Druckguß
 Maße-Gehäuse: R-0311b/N = 125*80*54
 R-0312b/N + R-0313d/N = 175*80*54
 R-0316d/N = 220*120*80
 R-0318c/N = 200*230*110
 GehäuseFarbe: hellgrau
 Elektrischer Anschluß: Kabelschraubklemmen
 Schutzart: IP65 (DIN 0470)

Technical Data:

Inputs: 350 Ohm gage bridge
 Outputs: a) Relay potential free 230V/6A
 b) for display instrument DC 0/4..20 mA
 Supply: 230/115V / 50..60 Hz
 Temperature: -25 ...+75 °C
 Adjustment: Precision-Trimmer
 Protection: IP 65
 Case: Alu- die casting
 Measuring case: R-0311b/N = 125*80*54
 R-0312b/N + R-0313d/N = 175*80*54
 R-0316d/N = 220*120*80
 R-0318c/N = 200*230*110
 Color case: light grey
 Electrical connection: cable srew clamps
 Protection: IP65 (DIN 0470)

Bestell-Nr.: Standard: "Typenbezeichnung"

Order-no.: Standard: "name of type"



Overload devic
R-03.11b

X1 Description R-0311b/N

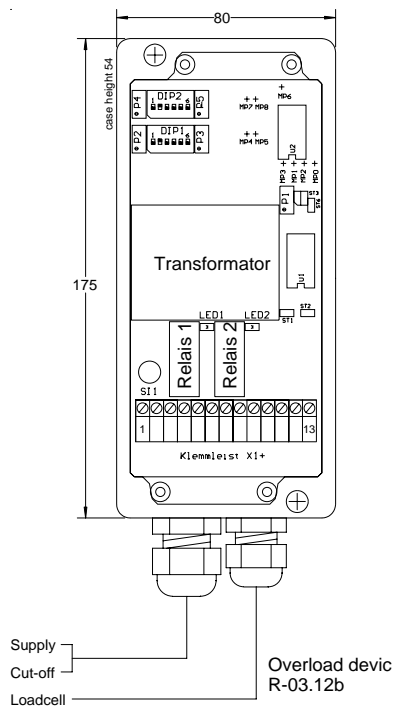
Input Loadcell

- | | |
|----|-----------------------|
| 1 | PE |
| 2 | PN |
| 3 | L1 / 230/115V/50-60Hz |
| 4 | Relay1, 14 |
| 5 | Relay1, 11 |
| 6 | Relay1, 12 |
| 7 | DMS Supply 10 VDC |
| 8 | DMS Supply Ground |
| 9 | DMS Signal - |
| 10 | DMS Signal + |
| 11 | (NC) |
| 12 | DMS Shield |

Input amplifier MV

- | |
|-----------------------|
| PE |
| PN |
| L1 / 230/115V/50-60Hz |
| Relay1, 14 |
| Relay1, 11 |
| Relay1, 12 |
| MV Supply 10 VDC |
| MV Supply Ground |
| (NC) |
| (NC) |
| Input MV 4-16 mA |
| DMS Shield |





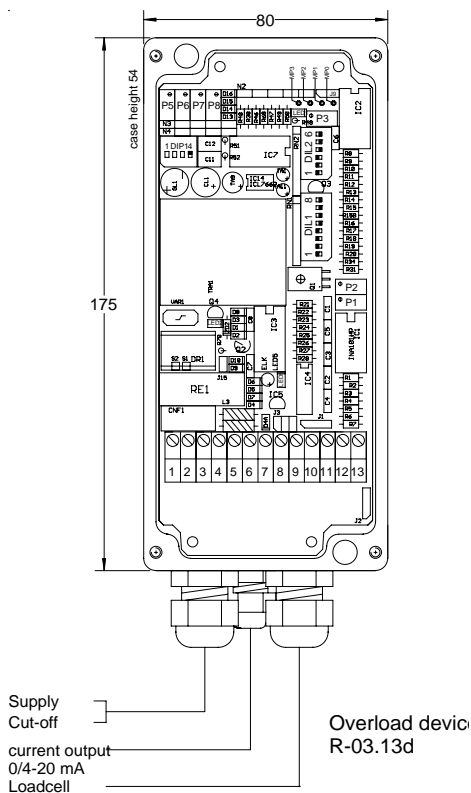
X1 Description R-0312b/N

Input Loadcell

- 1 PE
- 2 PN
- 3 L1 / 230/115V/50-60Hz
- 4 Relay1, 11
- 5 Relay1, 14
- 6 Relay2, 11
- 7 Relay2, 14
- 8 DMS shield
- 9 DMS case
- 10 DMS supply +
- 11 DMS signal +
- 12 DMS signal -
- 13 DMS supply -

Input Amplifier MV

- PE
- PN
- L1 / 230/115V/50-60Hz
- Relay1, 11
- Relay1, 14
- Relay2, 11
- Relay2, 14
- MV PE
- MV PE
- MV supply +
- MV input 4-16 mA
- (NC)
- MV supply ground

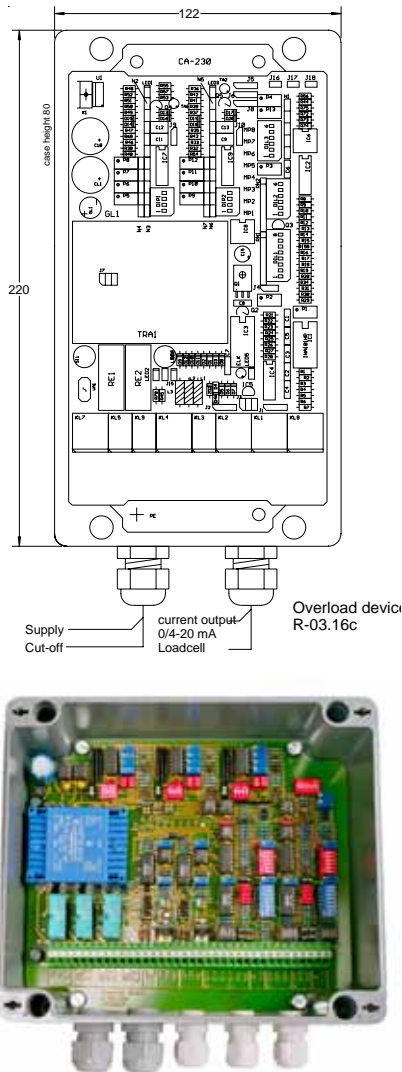


X1 Description R-0313d/N

Input Loadcell

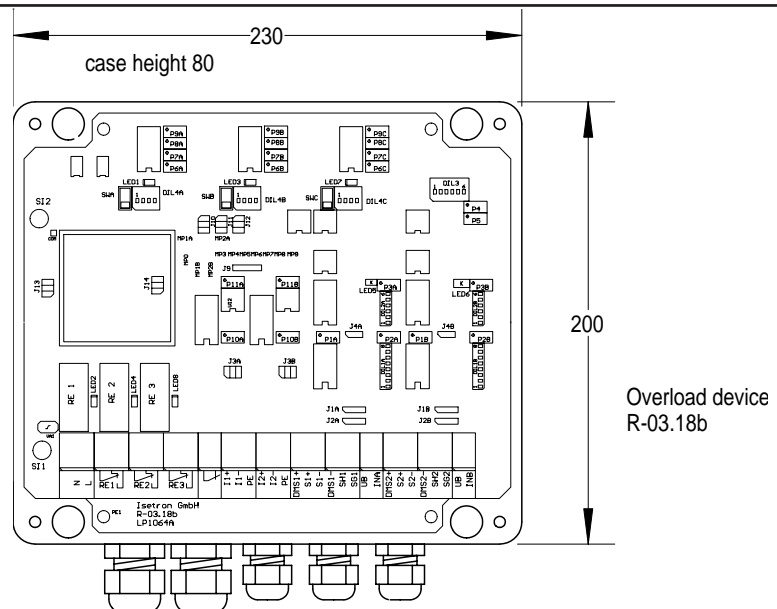
- 1 Relay1, 11
- 2 Relay1, 14
- 3 PE
- 4 L1 / 230V/50-60Hz
- 5 PN
- 6 Output ground
- 7 Output 4-16 mA
- 8 DMS supply +
- 9 DMS signal +
- 10 DMS signal -
- 11 DMS supply ground
- 12 DMS shield
- 13 DMS case





X1 Description R-0316d/N

Input Loadcell		
1	PE	13 Amplifier MV input
2	L1 / 230V/50-60Hz	14 Amplifier MV ground
3	PN	15 DMS shield
4	Relay1, 11	16 DMS supply ground
5	Relay1, 14	17 DMS supply 10 VDC
6	Relay2, 11	18 DMS signal +
7	Relay2, 14	19 DMS signal -
8	Current output PE	20 Input addition FSQ
9	Current output Gnd	21 Input addition FS2
10	Current output 4-16 mA	Input addition ground
11	Amplifier MV +24 VDC	



X1 Description R-0318c/N

Input Loadcell		
1	PE	13 Disenable relay input
2	PN	14 Disenable relay ground
3	L1 / 230V/115V/50-60Hz	15 Current output1 +
4	Relay1, 11	16 Current output1 -
5	Relay1, 12	17 Current output1 shield
6	Relay1, 14	18 Current output2 +
7	Relay2, 11	19 Current output2 -
8	Relay2, 12	20 Current output2 shield
9	Relay2, 14	21 DMS1 supply 10 VDC
10	Relay3, 11	22 DMS1 signal +
11	Relay3, 12	23 DMS1 signal -
12	Relay3, 14	24 DMS1 supply ground
		25 DMS1 shield
		26 DMS1 case
		27 MVA supply +24 VDC
		28 MVA input 4-16 mA
		29 DMS2 supply 10 VDC
		30 DMS2 signal +
		31 DMS2 signal -
		32 DMS2 supply ground
		33 DMS2 shield
		34 DMS2 case
		35 MVB supply +24 VDC
		36 MVB input 4-16 mA