

**Omschrijving:**

Verdeelkasten worden vaak samengesteld uit de polyester behuizingen van het type INDEX.E.F of uit RVS 316L behuizingen van het type INDEX.E.X in combinatie met Ex de componenten, zoals bijvoorbeeld hoofdschakelaars, installatieautomaten, motorbeschermschakelaars en bedienings- en signaleringscomponenten.

Met name in een omgeving waar tracing aanwezig is, worden deze kasten vaak toegepast. De polyester kasten zijn onderling eenvoudig te koppelen, waardoor de flexibiliteit enorm toeneemt. Ook is het eenvoudig om een bestaande besturing uit te breiden door een extra polyester kast aan te bouwen. De kasten worden samengebouwd op een stevig frame.

De verdeelkasten worden regelmatig uitgevoerd met inspectievensters. Deze worden toegepast om de status van een ingebouwde ampèremeter of installatieautomaat te bekijken, maar ook om een installatieautomaat die getript is, weer te resetten, zonder dat de kast geopend hoeft te worden.

Description:

Distribution panels are frequently assembled from polyester boxes of the type INDEX.E.F. or Stainless Steel 316L boxes of the type INDEX.E.X in combination with Ex de components such as main switches, circuit breakers, motor protection switches and control and indication components.

These panels are often used in situations where tracing is present.

The polyester boxes can be joined together in a simple way, which provides a great flexibility. Further it is easy to expand an existing panel by adding an extra polyester box.

The boxes are mounted on a solid frame.

Inspection windows are frequently used in distribution panels for checking the status of an ampere meter or circuit breaker, but also for resetting a tripped circuit breaker, so that the box does not need to be opened.

**Zone 1 and zone 2
Zone 21 and zone 22**

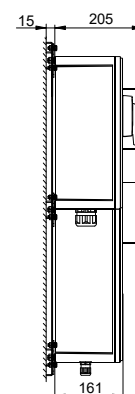
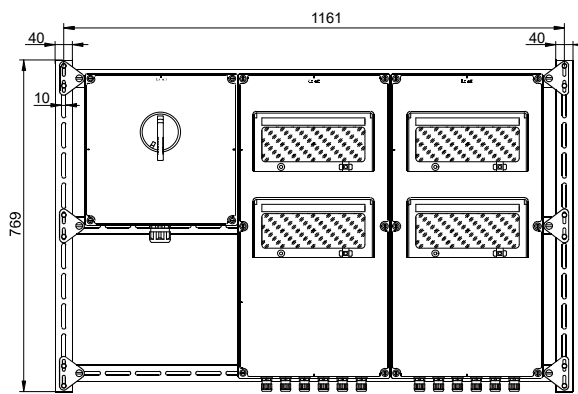
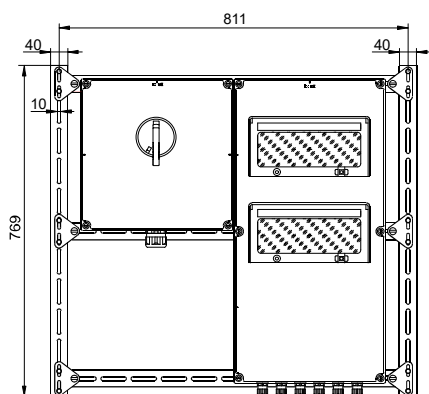
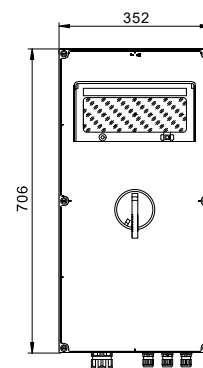
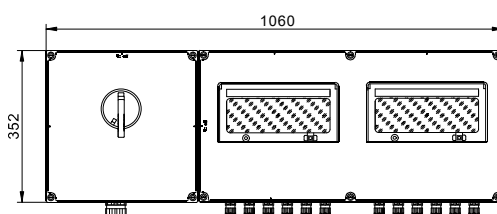
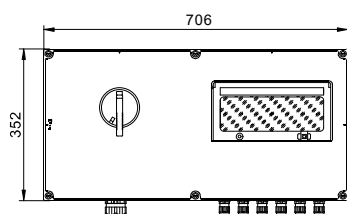
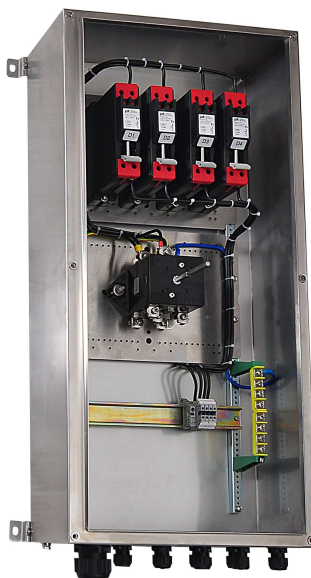
Verdeelkasten Ex de type INDEX.E.F - voorbeelden Distribution panels Ex de type INDEX.E.F - examples

Met onze behuizingen van het type Index.E.F en Index.E.X (zie hoofdstuk A) kunnen wij behalve verdeelkasten en groepenkasten ook complete besturingen leveren.

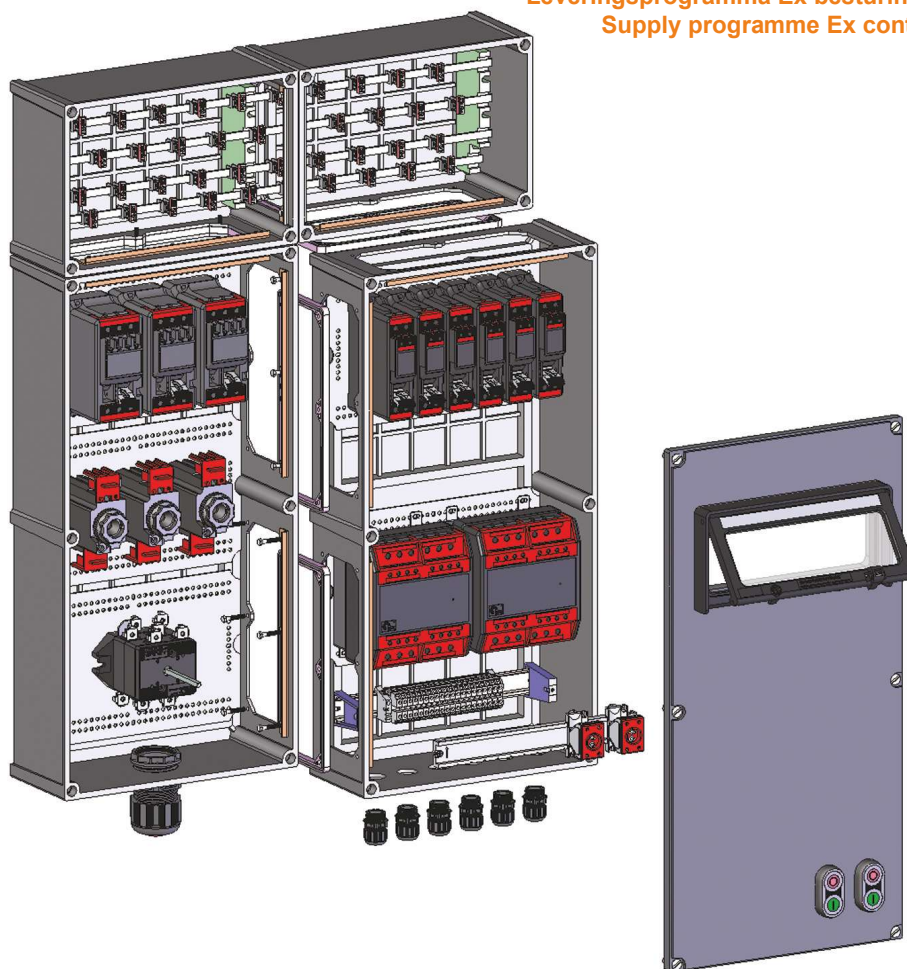
Aangezien de kasten onderling eenvoudig te koppelen zijn, kunnen ook grotere besturingen worden gerealiseerd. Om u een indruk te geven van de combinatiemogelijkheden, staan onderaan dit blad enkele voorbeelden afgebeeld.

With our control boxes of the type Index.E.F an Index.E.X (see chapter A) we can supply both distribution panels and complete control boxes.

Since the boxes can be connected easily, larger control systems can be realized. To give you an impression of the possibilities of combinations of boxes, some examples are shown below.



Leveringsprogramma Ex besturingscomponenten
Supply programme Ex control components



Hoofdschakelaars
Main switches



Bediening - zie hoofdstuk C
Control - see chapter C



Transformatoren
Transformers



Tijdrelais
Timers



Hulprelais
Auxiliary relays



Motorbeveiligingsschakelaars
Motor protection switches



Magneetschakelaars
Contactors



Omkeerschakelaars
Reversing contactors



Magneetschakelaars + thermisch
Contactors + thermal protection



Installatieautomaten
Circuit breakers



Zekeringen
Fuses



Aardlekautomaten
Earth leakage protection



Toebehoren
Accessories

Technische informatie:

Ex markering: II 2 G Ex db eb IIC T5 / T6 Gb

Geschikt voor zone 1 en 2

Spanning / stroom in AC-3:	230V	400V	500V	690V
25A	25A	20A	16A	
40A	40A	40A	32A	
80A	80A	80A	63A	
180A	180A	150A	125A	

Conform de standards: EN60079

Technical data:

Ex mark: II 2 G Ex db eb IIC T5 / T6 Gb

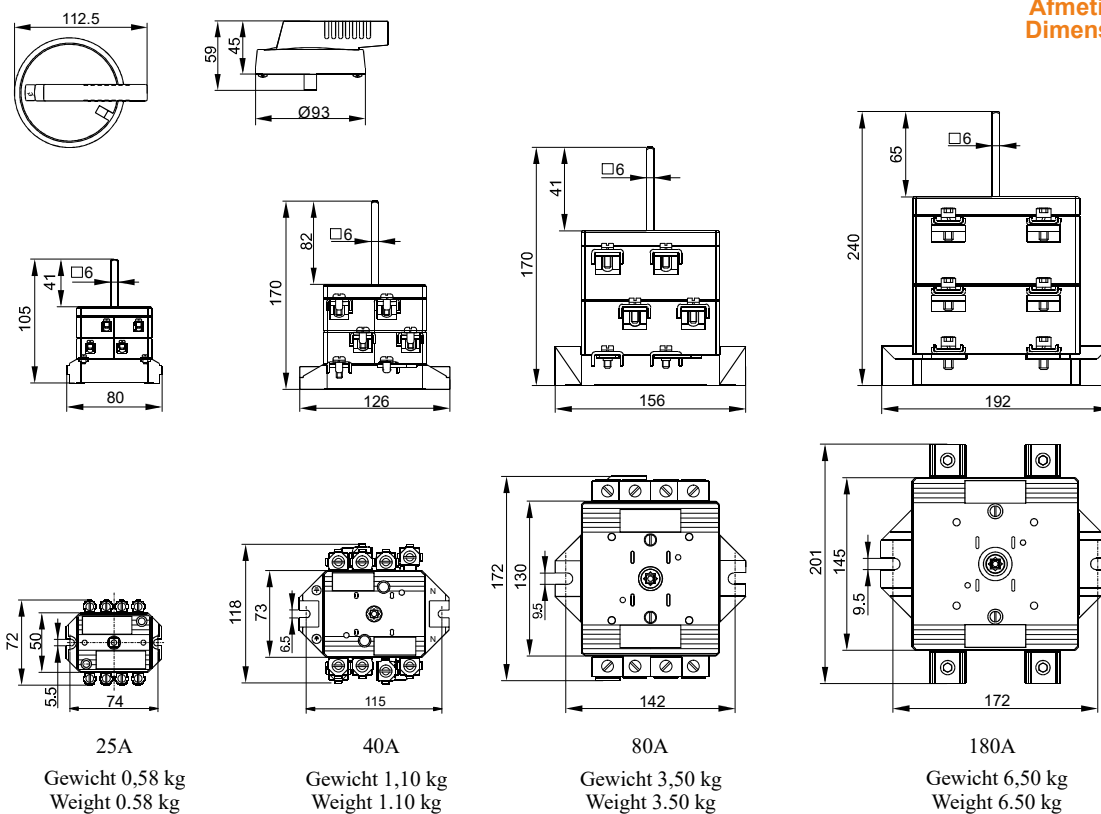
Can be used in zone 1 and 2

Voltage / current AC-3:	230V	400V	500V	690V
25A	25A	20A	16A	
40A	40A	40A	32A	
80A	80A	80A	63A	
180A	180A	150A	125A	

Meets the standards: EN60079

	Contactbezetting Contacts	Stroom Current	Type
		25A 40A 80A 180A	Z0513 □ 25 / 3 Z0513 □ 40 / 3 Z0513 □ 80 / 3 Z0513 □ 180 / 3
		25A 40A 80A 180A	Z0513 □ 25 / 4 Z0513 □ 40 / 4 Z0513 □ 80 / 4 Z0513 □ 180 / 4
D: Zwarte knob R: Rood / gele knob D: Black knob R: Red / yellow knob			

Afmetingen Dimensions



Technische informatie:

Ex marking: II 2 G Ex db eb IIC T5 / T6 Gb

Geschikt voor zone 1 en 2

Spanning / stroom in AC-3:

230V	400V	500V	690V
25A	25A	20A	16A

Conform de standaards: EN60079

Technical data:

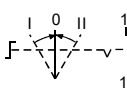
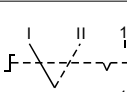
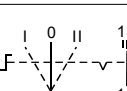
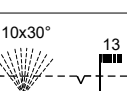
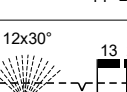
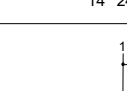
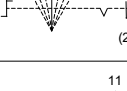
Ex mark: II 2 G Ex db eb IIC T5 / T6 Gb

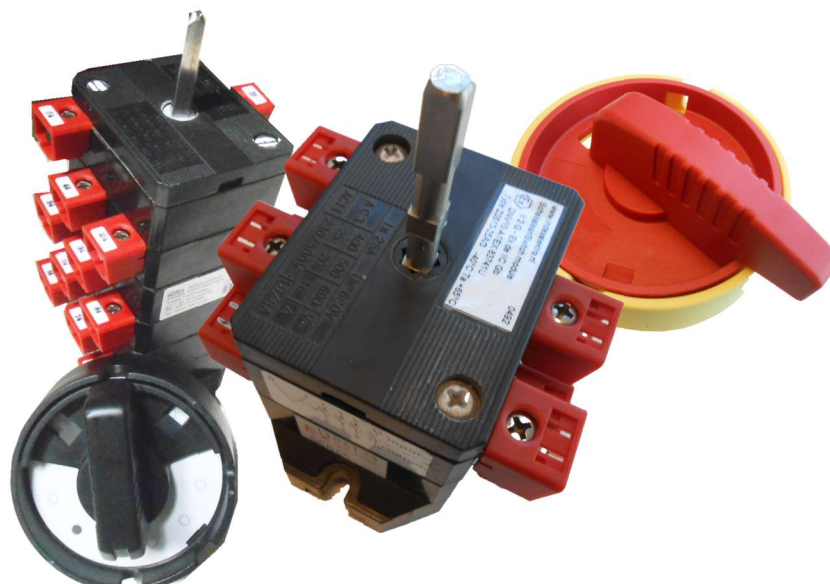
Can be used in zone 1 and 2

Voltage / current AC-3:

230V	400V	500V	690V
25A	25A	20A	16A

Meets the standards: EN60079

Label	Contactbezetting Contacts	Uitvoering Construction	Type
	 	Enkelpolige schakelaar I->0<-II 1 pole switch I->0<-II	Z0513 / 02.103
	 	Dubbelpolige wissenschakelaar 2-pole NO/NC switch	Z0513 / 04.104
	 	Vierpolige schakelaar I-0-II 4 pole switch I-0-II	Z0513 / 08.101
	 	10 standen schakelaar 10 pole switch	Z0513 / 10-100
	 	12 standen schakelaar 12 pole switch	Z0513 / 12.102
	  L1 = 8 L2 = 4 L3 = 12 N = 16	Voltmeter selectie schakelaar Voltmeter selector switch	Z0513 / 06.109
		Ampere meter selectie schakelaar Ammeter selector switch	Z0513 / 06.111



Zekeringen Ex eb mb Fuses Ex eb mb

Technische informatie:

Ex markering: II 2G Ex eb mb IIC T6 Gb
 II 2D Ex tb IIIC IP66 Db

Geschikt voor zone 1, 2, 21 en 22

Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

Spanning: 250 V

Beschermingsgraad: IP20

Railmontage : DIN-EN montage rail TS35 en TS15

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex eb mb IIC T6 Gb

II 2D Ex tb IIIC IP66 Db

Can be used in zone 1, 2, 21 and 22

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

Voltage: 250 V

Degree of protection: IP20

Base mount: DIN-EN mounting rail TS35 and TS15

Meets the standards: EN60079

Afbeelding Illustration	Nominale stroom (A) Rated current (A)	Type
	0.5 A.	Z0804 - 0.5
	1 A.	Z0804 - 1
	1.25 A.	Z0804 - 1.25
	1.6 A.	Z0804 - 1.6
	2 A.	Z0804 - 2
	2.5 A.	Z0804 - 2.5
	3.15 A.	Z0804 - 3.15
	5 A.	Z0804 - 5
	6 A.	Z0804 - 6

Zekeringhouder Ex de Fuse holder Ex de

Technische informatie:

Ex markering: II 2 G Ex de IIC T4/T6 Gb

Geschikt voor zone 1 en 2

Aansluitingen: 10 mm²

Gewicht: 0,1 kg

Conform de standaards: EN60079

Technical data:

Ex mark: II 2 G Ex de IIC T4/T6 Gb

Can be used in zone 1 and 2

Connections: 10 mm²

Weight: 0.1 kg

Meets the standards: EN60079

Afbeelding Illustration	Omschrijving Description	Type
	Zekeringhouder Fuse holder	Z0509 6299
	2 A	Z0509 FR14G - 2 A
	4 A	Z0509 FR14G - 4 A
	6 A	Z0509 FR14G - 6 A
	10 A	Z0509 FR14G - 10 A
	16 A	Z0509 FR14G - 16 A
	20 A	Z0509 FR14G - 20 A
	25 A	Z0509 FR14G - 25 A
	32 A	Z0509 FR14G - 32 A
	40 A	Z0509 FR14G - 40 A

Technische informatie:

Ex marking: II 2G Ex eb IIC Gb
 Omgevingstemperatuur $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}/70^{\circ}\text{C}$
 Geschikt voor zone 1 en 2
 Voor montage in een Ex e paneel
 Primaire 110 VAC t/m 690 VAC
 Secondair 12 VAC t/m 690 VAC

Conform de standaards: EN60079

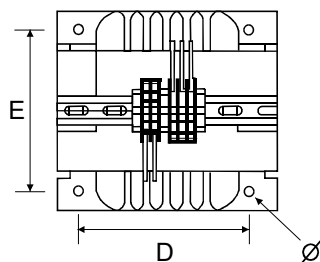
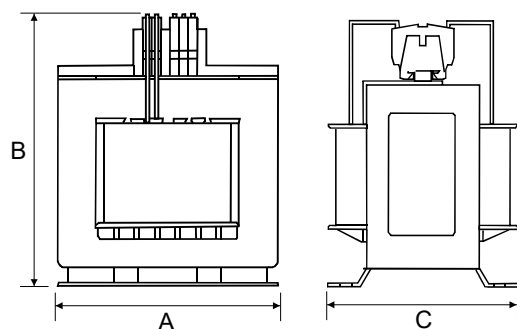
Technical data:

Ex mark: II 2G Ex eb IIC Gb
 T.Ambient: $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}/70^{\circ}\text{C}$
 Can be used in zone 1 and 2
 Mounted in Ex e panel
 Primaire 110 VAC to 690 VAC
 Secondair 12 VAC to 690 VAC

Meets the standards: EN60079

Afbeelding Illustration	Vermogen Capacity	Spanning / Voltage Primaire Secondair		Type
	100 VA 200 VA 400 VA 550 VA 750 VA 1200 VA 1600 VA	230 VAC	12 VAC	Z0516 - □/□ - 100
		415 VAC	24 VAC 42 VAC 115 VAC 230 VAC 400 VAC	Z0516 - □/□ - 200 Z0516 - □/□ - 400 Z0516 - □/□ - 550 Z0516 - □/□ - 750 Z0516 - □/□ - 1200 Z0516 - □/□ - 1600

Afmetingen Dimensions



Type	A	B	C	D	E	Ø
Z0516 - 100	84	113 ± 0.5	73	64 ± 0.5	62 ± 0.5	5.8
Z0516 - 200	96	130 ± 0.5	102	84 ± 0.5	85 ± 0.5	7
Z0516 - 400	120	160 ± 0.5	105	90 ± 0.5	85 ± 0.5	7
Z0516 - 550	150	180 ± 0.5	110	122 ± 0.5	90 ± 0.5	7
Z0516 - 750	150	180 ± 0.5	125	122 ± 0.5	105 ± 0.5	7
Z0516 - 1200	168	180 ± 0.5	145	138 ± 0.5	116 ± 0.5	7
Z0516 - 1600	180	250 ± 0.5	155	150 ± 0.5	130 ± 0.5	7

Technische informatie:

Ex marking:  II 2G Ex eb IIC T6 Gb
 II 2D Ex tb IIIC IP66 Db

Geschikt voor zone 1, 2, 21 en 22

Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$

Beschermingsgraad: IP66

Materiaal: glasvezelversterkt polyester

Conform de standaards: EN60079

Technical data:

Ex mark:  II 2G Ex eb IIC T6 Gb

 II 2D Ex tb IIIC IP66 Db

Can be used in zone 1, 2, 21 and 22

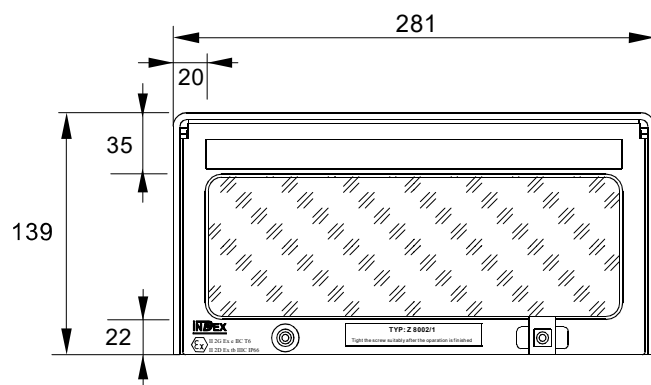
Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$

Degree of protection: IP66

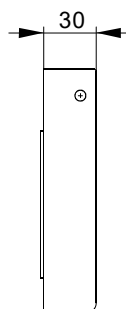
Material: glass fibre reinforced polyester

Meets the standards: EN60079

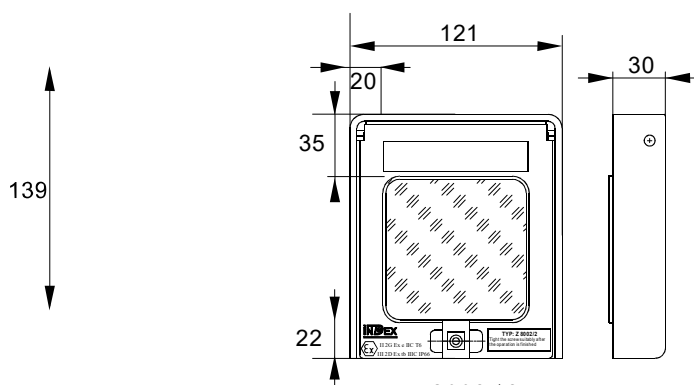
Afbeelding Illustration	Omschrijving Description	Type
	Scharnierend venster voor inspectie en bediening van automaten etc. Afmeting glas: 240x80 mm	Z - 8002 / 1
	Hinged window for inspection and manual operation of circuit breakers etc. Dimension glass: 240x80 mm	
	Afmeting glas: 80x80 mm Dimension glass: 80x80 mm	Z - 8002 / 2



Z 8002/1



Afmetingen Dimensions



Z 8002 / 2



Technische informatie:

Ex markering: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Spanning 230/400 VAC - 50/60 Hz. 250 VDC

Kortsluitstroom: 6 kA

Optioneel kortsluitstroom 10 kA

Karakteristiek: C

Optioneel: karakteristiek B en D

Hulpcontacten: 1xNO/1xNC - 250V/1A ²

Aansluitingen: 10 mm / hulpcontacten 2,5 mm

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and 2

Voltage: 230/400 VAC - 50/60 Hz. - 250 VDC

Breaking capacity: 6 kA

Optional breaking capacity: 10 kA

Tripping curve: C

Optional tripping curve: B and D

Aux. contacts: 1xNO/1xNC - 250V/1A ²

Connections: 10 mm / aux. contacts 2.5 mm

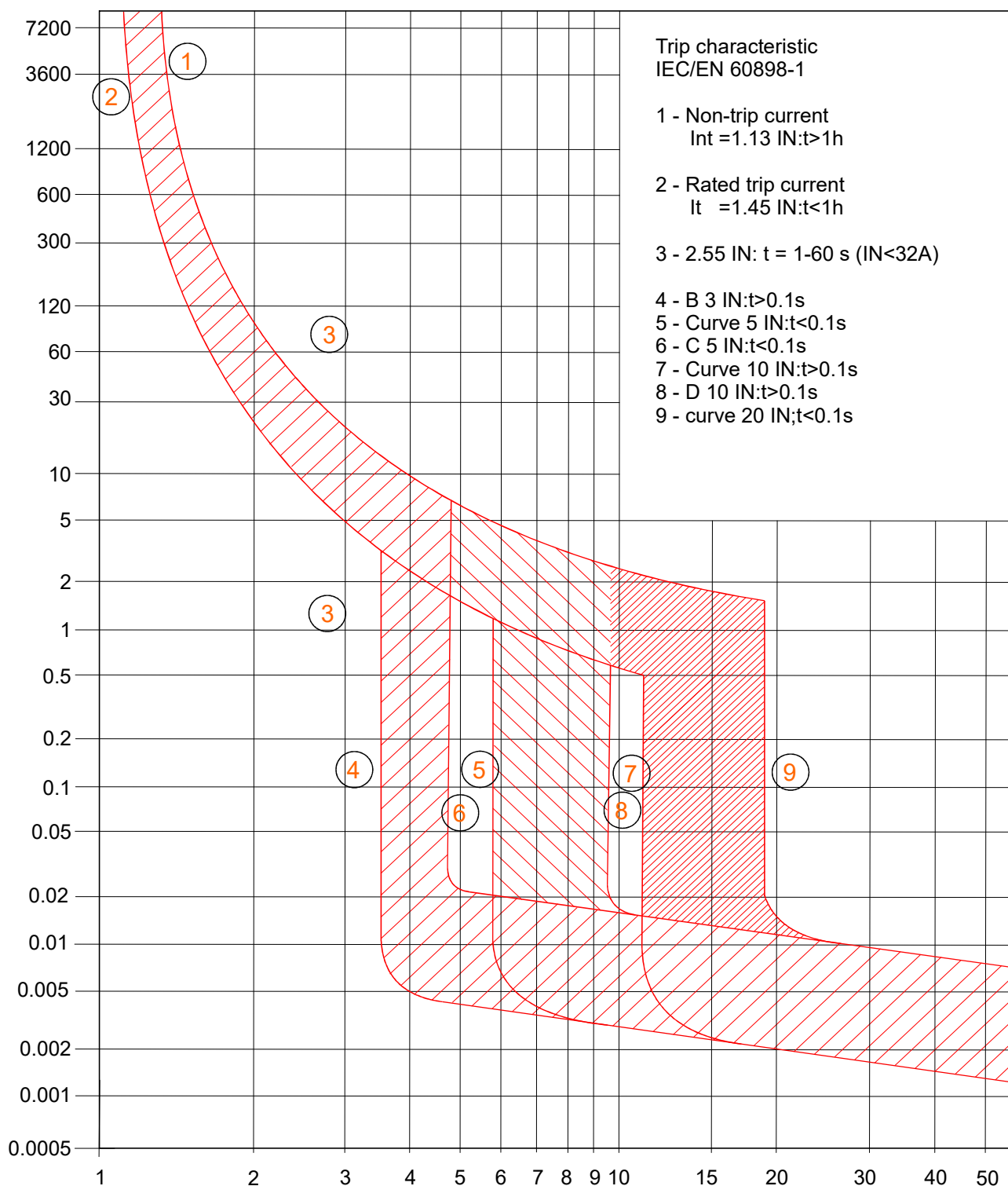
Meets the standards: EN60079

Aantal polen Number of poles	Karakteristiek Tripping curve type	Nominale stroom (A) Rated current (A)	Gewicht (kg) Weight (kg)	Afmeting Size
1P	B, C, D	1, 2, 4, 6, 10, 16, 20, 25, 32, 40	0.85	1
2P	B, C, D	1, 2, 4, 6, 10, 16, 20, 25, 32, 40	1.07	2
3P	C, D	6, 10, 16, 20, 25, 32, 40	1.43	3
4P	C	6, 10, 16, 20, 25, 32, 40	1.90	4
1P+N	C	1, 2, 4	1.07	2
1P+N	B, C	6, 10, 16, 20, 25, 32, 40	0,85	1
3P+N	C, D	6, 10, 16, 20, 25, 32, 40	1.90	4

	Nominale stroom (A) Rated current (A)	Type
	0.5	Z0511 BL - 0.5 - □ - □ - □ - □
	1	Z0511 BL - 1 - □ - □ - □ - □
	2	Z0511 BL - 2 - □ - □ - □ - □
	3	Z0511 BL - 3 - □ - □ - □ - □
	4	Z0511 BL - 4 - □ - □ - □ - □
	6	Z0511 BL - 6 - □ - □ - □ - □
	10	Z0511 BL - 10 - □ - □ - □ - □
	16	Z0511 BL - 16 - □ - □ - □ - □
	20	Z0511 BL - 20 - □ - □ - □ - □
	25	Z0511 BL - 25 - □ - □ - □ - □
	32	Z0511 BL - 32 - □ - □ - □ - □
	40	Z0511 BL - 40 - □ - □ - □ - □
	Aantal polen 1-(1P) 1N-(1P+N) 2-(2P) 3-(3P) 3N-(3P+N) 4-(4P) Number of poles	
	Karakteristiek B Curve type C D	
	A = inclusief hulpcontacten 1NO + 1NC A = including auxiliary contacts 1NO + 1NC	
	6 = Kortsluitstroom 6 KA / Breaking capacity: 6 kA 10 = Kortsluitstroom 10 KA / Breaking capacity: 10 kA	

Afmetingen Dimensions	Contactbezetting Contacts	Afmeting Size	Achter venster Behind window
	1P 1P+N	Afmeting 1 Dimension 1	6 stuks 6 pcs 2 stuks 2 pcs
	2P 1P + hulpcontacten 1P + aux. contacts	Afmeting 2 Dimension 2	5 stuks 5 pcs 2 stuks 2 pcs
	3P 2P + hulpcontacten 2P + aux. contacts	Afmeting 3 Dimension 3	3 stuks 3 pcs 1 stuks 1 pcs
	3P+N 4P 3P + hulpcontacten 3P + aux. contacts 4P + hulpcontacten 4P + aux. contacts	Afmeting 4 Dimension 4	2 stuks 2 pcs 1 stuks 1 pcs

Tripcurve - Ambient temperature: 30°C



Aardlekautomaten 1P+N Ex de Earth leakage circuit breakers 1P+N Ex de

Technische informatie:

Ex marking: $\text{Ex II 2G Ex db eb IIC Gb } (-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$
 $\text{Ex db eb IIB Gb } (-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$

Geschikt voor zone 1 en 2

Spanning: 230V / 50 Hz

Kortsluitstroom: 6 kA

Karakterstiek: C

Aantal polen: 1P + N

Aansluitingen: 10 mm²

Gewicht: 1,1 kg

Conform de standaards: EN60079

Technical data:

Ex mark: $\text{Ex II 2G Ex db eb IIC Gb } (-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$
 $\text{Ex db eb IIB Gb } (-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$

Can be used in zone 1 and 2

Voltage: 230V / 50 Hz.

Breaking capacity: 6 kA

Curve type: C

Number of poles: 1P + N

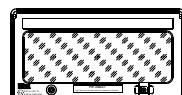
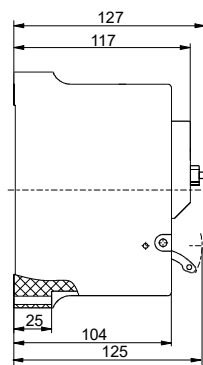
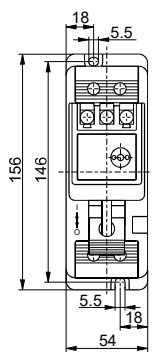
Connections: 10 mm²

Weight: 1.1 kg

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Nominale stroom (A) Rated current (A)	Type
		6 A / 30 mA	Z0511 BFL 6 - 30
		6 A / 300 mA	Z0511 BFL 6 - 300
		10 A / 30 mA	Z0511 BFL10 - 30
		10 A / 300 mA	Z0511 BFL10 - 300
		16 A / 30 mA	Z0511 BFL16 - 30
		16 A / 300 mA	Z0511 BFL16 - 300
		20 A / 30 mA	Z0511 BFL20 - 30
		20 A / 300 mA	Z0511 BFL20 - 300
		25 A / 30 mA	Z0511 BFL25 - 30
		25 A / 300 mA	Z0511 BFL25 - 300
		32 A / 30 mA	Z0511 BFL32 - 30
		32 A / 300 mA	Z0511 BFL32 - 300
		40 A / 30 mA	Z0511 BFL40 - 30
		40 A / 300 mA	Z0511 BFL40 - 300

Afmetingen Dimensions



5 stuks
5 pcs



2 stuks
2 pcs

Aardlekschakelaar 3P+N Ex de Earth leakage switch 3P+N Ex de

Technische informatie:

Ex marking: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Spanning: 400V / 50 Hz

Kortsluitstroom: 6 kA

Karakterstiek: C

Aantal polen: 3P + N

Aansluitingen: 10 mm²

Gewicht: 1,9 kg

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and zone 2

Voltage: 400V / 50 Hz.

Breaking capacity: 6 kA

Curve type: C

Number of poles: 3P + N

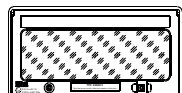
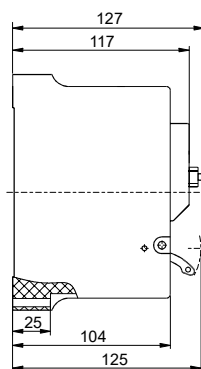
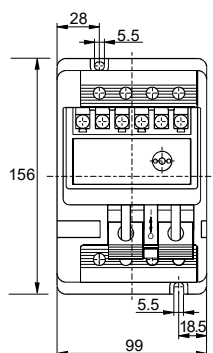
Connections: 10 mm²

Weight: 1.9 kg

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Nominale stroom (A) Rated current (A)	Type
		25 A / 30 mA 25 A / 300 mA 40 A / 30 mA 40 A / 300 mA	Z0511 BF / 25 / 3N / 30 Z0511 BF / 25 / 3N / 300 Z0511 BF / 40 / 3N / 30 Z0511 BF / 40 / 3N / 300

Afmetingen Dimensions

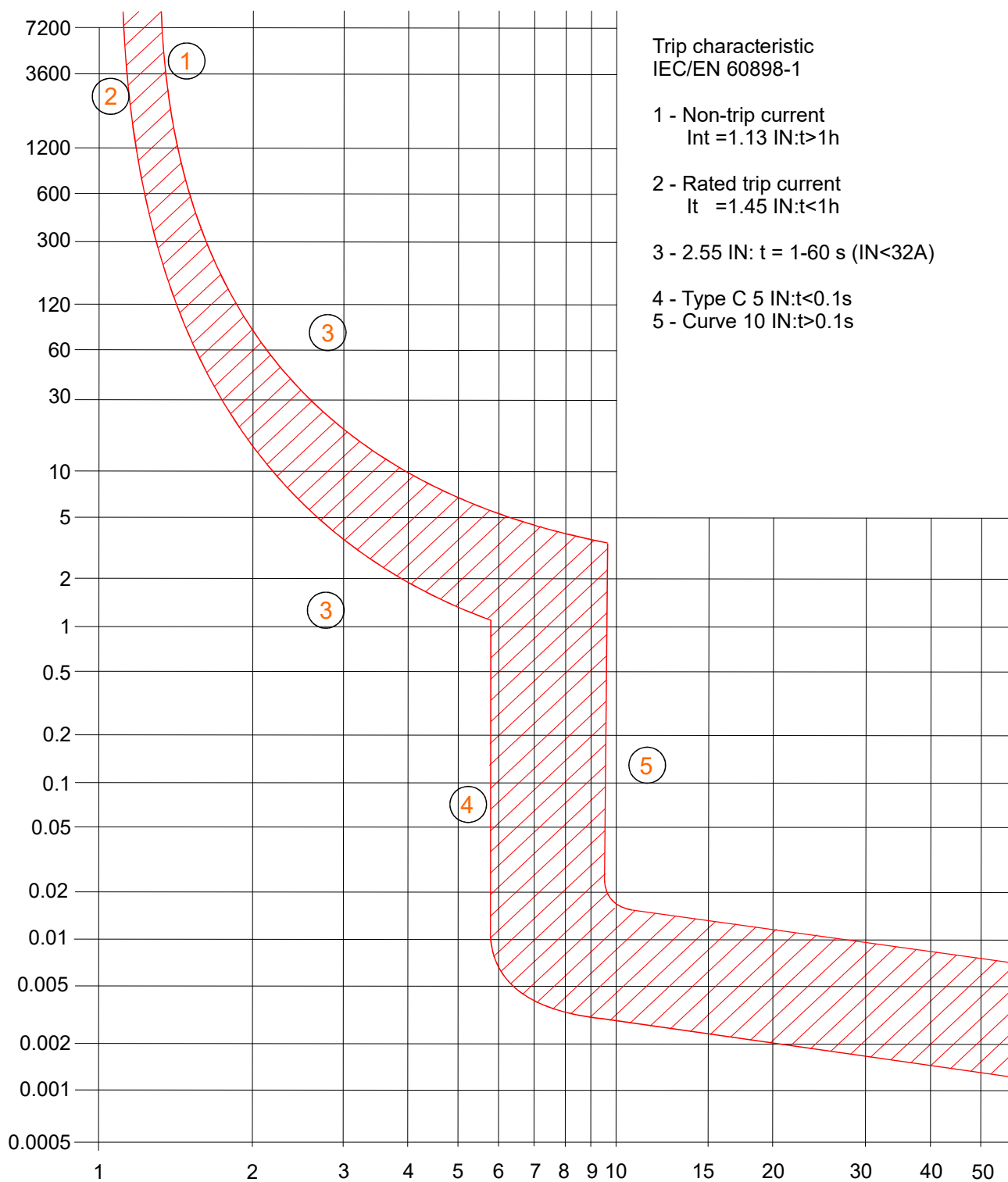


2 stuks
2 pcs



1 stuks
1 pcs

Tripcurve - Ambient temperature: 30°C



Magneetschakelaar en omkeerschakelaar Ex de Contactor and reversing contactor Ex de

Technische informatie:

Ex markering: II 2G Ex de IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex de IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Schakelvermogen AC-3: max. 690V/38A

Spoelspanning 24 / 36 / 48 / 115 / 230 / 400 VAC-50Hz.

Hulpcontacten: 1xNO/1xNC - 250V/1A

Aansluitingen: 10 mm² / hulpcontacten 2,5 mm²

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex de IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex de IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and 2

Switching capacity AC-3: max. 690V/38A

Coil voltage: 24 / 36 / 48 / 115 / 230 / 400 VAC-50Hz.

Aux. contacts: 1xNO/1xNC - 250V/1A

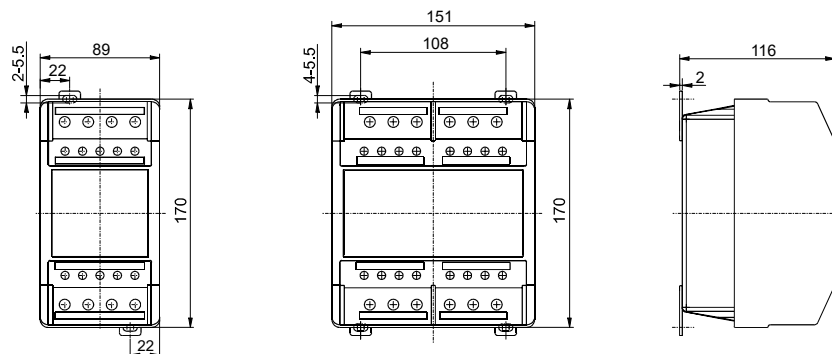
Connections: 10 mm² / aux. contacts 2.5 mm²

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Schakelvermogen Switching capacity	Type
		12 A 25 A 38 A 12 A 25 A 38 A	Magneetschakelaar Contactor Z0512 BDI / 12 - 24VDC Z0512 BDI / 25 - 24VDC Z0512 BDI / 38 - 24VDC Z0512 BDI / 12 - ☐ Z0512 BDI / 25 - ☐ Z0512 BDI / 38 - ☐
		12 A 25 A 38 A	Omkeerschakelaar Reversing contactor Z0512 BDIN / 12 - ☐ Z0512 BDIN / 25 - ☐ Z0512 BDIN / 38 - ☐

Spoelspanning (AC)
Coil voltage (AC)

01 - 24V
02 - 36V
03 - 48V
04 - 115V
05 - 230V
06 - 400V



Gewicht: 1,75 kg
Weight: 1.75 kg

Gewicht: 2,8 kg
Weight: 2.8 kg

Afmetingen Dimensions

Magneetschakelaar met thermische beveiliging Ex de Contactor with thermal relay Ex de

Technische informatie:

Ex markering: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Schakelvermogen AC-3: max. 690V/24A

Spoelspanning: 24 / 36 / 48 / 115 / 230 / 400 VAC-50Hz.

Hulpcontacten: 2xNO/2xNC - 250V/1A

Aansluitingen: 10 mm² / hulpcontacten 2,5 mm²

Gewicht: 2,5 kg

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and 2

Switching capacity AC-3: max. 690V/24A

Coil voltage: 24 / 36 / 48 / 115 / 230 / 400 VAC-50Hz.

Aux. contacts: 2xNO/2xNC - 250V/1A

Connections: 10 mm² / aux. contacts 2.5 mm²

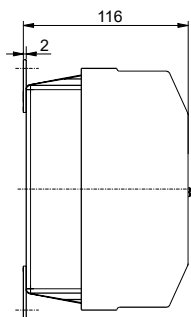
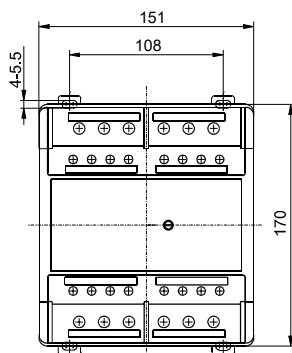
Weight: 2.5 kg

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Thermisch instelbereik Setting load trip	Type
		0.1 – 0.16	Z0512 BZCI / 0.16 / ☐
		0.16 – 0.24	Z0512 BZCI / 0.24 / ☐
		0.24 – 0.4	Z0512 BZCI / 0.4 / ☐
		0.4 – 0.6	Z0512 BZCI / 0.6 / ☐
		0.6 – 1	Z0512 BZCI / 1 / ☐
		1 – 1.6	Z0512 BZCI / 1.6 / ☐
		1.6 – 2.4	Z0512 BZCI / 2.4 / ☐
		2.4 – 4	Z0512 BZCI / 4 / ☐
		4 – 6	Z0512 BZCI / 6 / ☐
		6 – 10	Z0512 BZCI / 10 / ☐
		10 – 16	Z0512 BZCI / 16 / ☐
		16 – 24	Z0512 BZCI / 24 / ☐

Spoelspanning (AC) Coil voltage (AC)	01 - 24V
	02 - 36V
	03 - 48V
	04 - 115V
	05 - 230V
	06 - 400V

Afmetingen Dimensions



Gewicht: 2,8 kg
Weight: 2.8 kg

Technische informatie:

Ex markering: Ⓔ II 2G Ex de IIC Gb (-20°C ≤ Ta ≤ 60°C)

Ex de IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Schakelvermogen AC-3: max. 690V/38A

Hulpcontacten: 1xNO/1xNC - 250V/1A

Aansluitingen: 10 mm² / hulpcontacten 2,5 mm²

gewicht: 1,5 kg

Conform de standaards: EN60079

Technical data:

Ex mark: Ⓔ II 2G Ex de IIC Gb (-20°C ≤ Ta ≤ 60°C)

Ex de IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and 2

Switches capacity AC-3: max. 690V/38A

Aux. contacts: 1xNO/1xNC - 250V/1A

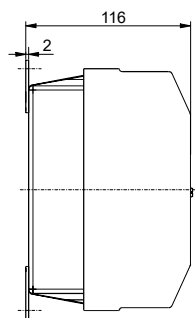
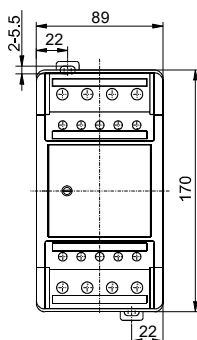
Connections: 10 mm² / aux. contacts 2.5 mm²

Weight: 1.5 kg

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Thermisch instelbereik Setting load trip	Type
		0.1 - 0.16 A 0.16 - 0.24 A 0.24 - 0.4 A 0.4 - 0.6 A 0.6 - 1 A 1 - 1.6 A 1.6 - 2.4 A 2.4 - 4 A 4 - 6 A 6 - 10 A 10 - 16 A 16 - 24 A 23 - 32 A 30 - 38 A	Z0512 BZC / 0.16 Z0512 BZC / 0.24 Z0512 BZC / 0.4 Z0512 BZC / 0.6 Z0512 BZC / 1 Z0512 BZC / 1.6 Z0512 BZC / 2.4 Z0512 BZC / 4 Z0512 BZC / 6 Z0512 BZC / 10 Z0512 BZC / 16 Z0512 BZC / 24 Z0512 BZC / 32 Z0512 BZC / 38

Afmetingen Dimensions



Motor beschermerschakelaar Ex de Motor protection switch Ex de

Technische informatie:

Ex markering: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Schakelvermogen AC-3: max. 400V/25A

Thermische instelling: 0,1 - 25 Amp.

Hulpcontacten: 1xNO/1xNC - 250V/1A

Aansluitingen: 10 mm² / hulpcontacten 2,5 mm²

Gewicht: 1,65 kg

Optioneel: nulspanningsspoel - 230 VAC

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex db eb IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex db eb IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and 2

Switching capacity AC-3: max. 400V/25A

Overload trip setting: 0.1 - 25 Amp.

Aux. contacts: 1xNO/1xNC - 250V/1A

Connections: 10 mm² / aux. contacts 2.5 mm²

Weight: 1.65 kg

Optional: zero voltage coil - 230 VAC

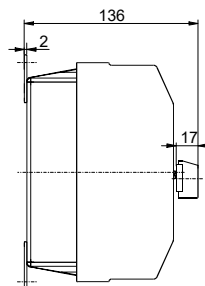
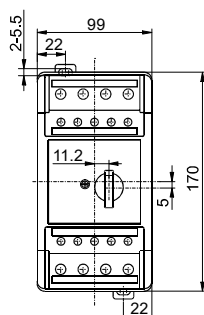
Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Kortsluitstroom (kA) on-off capacity (kA)	Thermisch instelling Overload trip setting	Type
		65	0.1 - 0.16 A	Z0512BPK / 0.16 / ☐ - ☐
		65	0.16 - 0.25 A	Z0512BPK / 0.25 / ☐ - ☐
		65	0.24 - 0.4 A	Z0512BPK / 0.4 / ☐ - ☐
		65	0.4 - 0.63 A	Z0512BPK / 0.63 / ☐ - ☐
		65	0.63 - 1 A	Z0512BPK / 1 / ☐ - ☐
		65	1 - 1.6 A	Z0512BPK / 1.6 / ☐ - ☐
		65	1.6 - 2.5 A	Z0512BPK / 2.5 / ☐ - ☐
		16	2.5 - 4 A	Z0512BPK / 4 / ☐ - ☐
		16	4 - 6.3 A	Z0512BPK / 6.3 / ☐ - ☐
		16	6 - 10 A	Z0512BPK / 10 / ☐ - ☐
		16	10 - 16 A	Z0512BPK / 16 / ☐ - ☐
		12	16 - 20 A	Z0512BPK / 20 / ☐ - ☐
		12	20 - 25 A	Z0512BPK / 25 / ☐ - ☐

Z = inclusief nulspanningsspoel
Z = including zero voltage coil

A = inclusief hulpcontacten 1NO + 1NC
A = including auxiliary contacts 1NO + 1NC

Afmetingen Dimensions



Technische informatie:

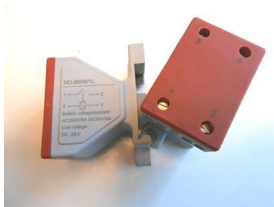
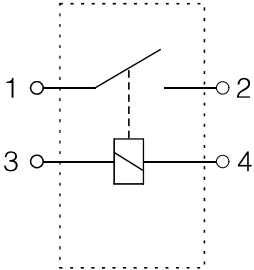
Ex markering:  II 2G Ex db eb IIC Gb
Omgevingstemperatuur: $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
Geschikt voor zone 1 en 2
Schakelvermogen: 250VAC / 5A - 30 VDC / 5A
Spoelspanning: 24 VDC
Aansluitingen: 2,5 mm²
Gewicht: 70 gram

Conform de standaards: EN 60079

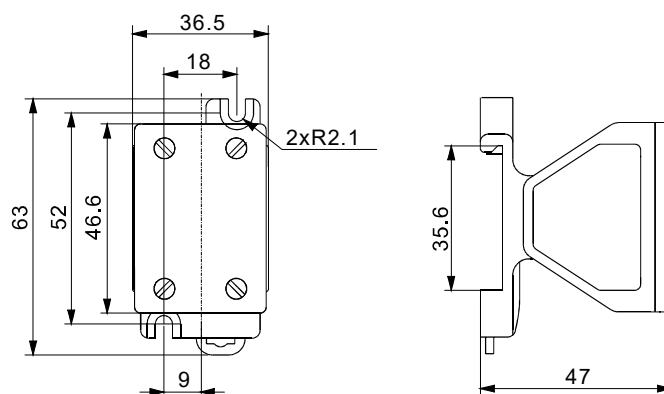
Technical data:

Ex mark:  II 2G Ex db eb IIC Gb
Ambient temperature $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
Can be used in zone 1 and 2
Switching capacity: 250 VAC / 5A - 30 VDC / 5A
Coil voltages: 24 VDC
Connections: 2.5 mm²
Weight: 70 gram

Meets the standards: -EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Spoelspanning Coil voltage	Type
		24 VDC	Z0203 - B606/1L

Afmetingen Dimensions



Technische informatie:

Ex marking: $\text{Ex II 2G Ex de IIC Gb } (-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$
Ex de IIB Gb $(-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$

Geschikt voor zone 1 en 2

Schakelvermogen: 5A

Spoelspanning: 12, 24 en 110 VDC / 24, 115 en 230 VAC

Aansluitingen: 2,5 mm²

Gewicht: 0,8 kg

Conform de standaards: EN60079

Technical data:

Ex mark: $\text{Ex II 2G Ex de IIC Gb } (-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$
Ex de IIB Gb $(-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C})$

Can be used in zone 1 and 2

Switching capacity: 5A

Coil voltages: 12, 24 and 110 VDC / 24, 115 and 230 VAC

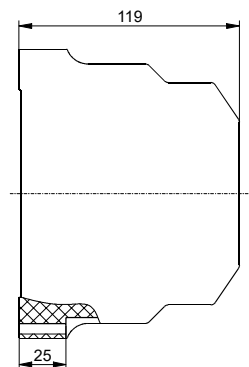
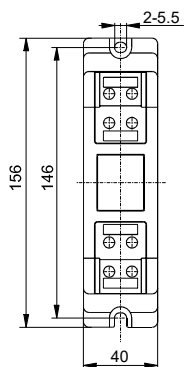
Connections: 2.5 mm²

Weight: 0.8 kg

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Spoelspanning Coil voltage	Type
		12 VDC 24 VDC 110 VDC 24 VAC 115 VAC 230 VAC	Z0512BMY / 10 Z0512BMY / 11 Z0512BMY / 14 Z0512BMY / 01 Z0512BMY / 04 Z0512BMY / 05

Afmetingen Dimensions



Technische informatie:

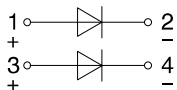
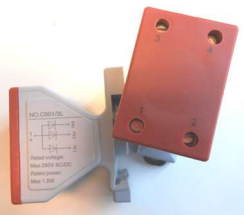
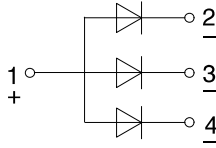
Ex marking:  II 2G Ex db eb IIC Gb
Omgevingstemperatuur: $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
Geschikt voor zone 1 en 2
Maximaal spanning: 250V AC/DC
Vermogen: 1.5 Watt
Aansluitingen: 2,5 mm²
Gewicht: 70 gram

Conform de standaards: EN60079

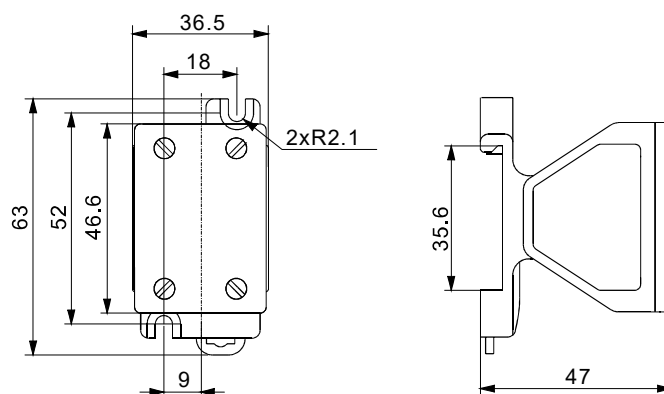
Technical data:

Ex mark:  II 2G Ex db eb IIC Gb
Ambient temperature $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
Can be used in zone 1 and 2
Max voltage: 250 V AC/DC
Rated power: 1.5 Watt
Connections: 2.5 mm²
Weight: 70 gram

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	max. spanning max. voltage	Type
		250 V AC/DC	Z0203 - B601/2
		250 V AC/DC	Z0203 - B601/3

Afmetingen Dimensions



Technische informatie:

Ex markering: II 2G Ex de IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex de IIB Gb (-40°C ≤ Ta ≤ 60°C)

Geschikt voor zone 1 en 2

Schakelvermogen: 5A

Spoelspanning: 12, 24 en 110 VDC / 24, 115 en 230 VAC

Andere spoelspanningen (DC) op aanvraag

Tijdstelling: 0,04 sec - 3 uur

Aansluitingen: 2,5 mm²

Gewicht: 0,8 kg

Conform de standaards: EN60079

Technical data:

Ex mark: II 2G Ex de IIC Gb (-20°C ≤ Ta ≤ 60°C)
Ex de IIB Gb (-40°C ≤ Ta ≤ 60°C)

Can be used in zone 1 and 2

Switching capacity: 5A

Coil voltages: 12, 24 en 110 VDC / 24, 115 en 230 VAC

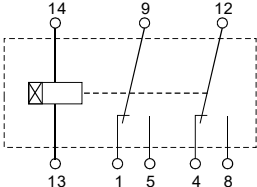
Other coil voltages (DC) on request

Time range: 0.04 sec - 3 hours

Connections: 2.5 mm²

Weight: 0.8 kg

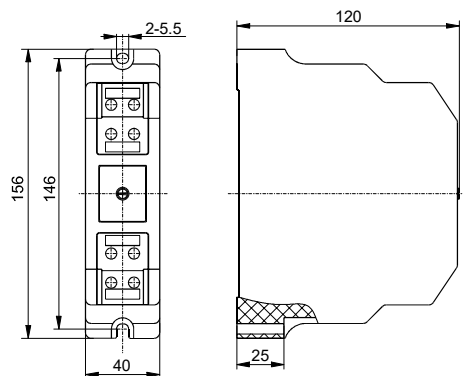
Meets the standards: EN60079

Afbeelding Illustration	Schema Diagram	Spoelspanning Coil voltage	Type
		12 VDC	Z0512 BH3 / 10 ☐
		24 VDC	Z0512 BH3 / 11 ☐
		24 VAC	Z0512 BH3 / 21 ☐
		120 VAC	Z0512 BH3 / 24 ☐
		230 VAC	Z0512 BH3 / 25 ☐
Type volgens onderstaande tabel Type as per tabel below ☐			

Tijdtabel Time table

Type	01s	10s	0.1M	10m	01H	10H	100
Tijdstelling Time range setting	0.1-1 sec	0.1-10 sec	0.1-1 min	1-10 min	0.1-1 hour	1-10 hour	10-100 hour

Afmetingen Dimensions



Technische informatie:

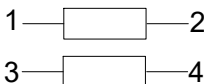
Ex markering:  II 2G Ex db eb IIC Gb
 Omgevingstemperatuur: $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
 Geschikt voor zone 1 en 2
 Maximaal spanning: 250V AC/DC
 Vermogen: 1 Watt max.
 Aansluitingen: 2,5 mm²
 Gewicht: 70 gram

Conform de standaards: EN60079

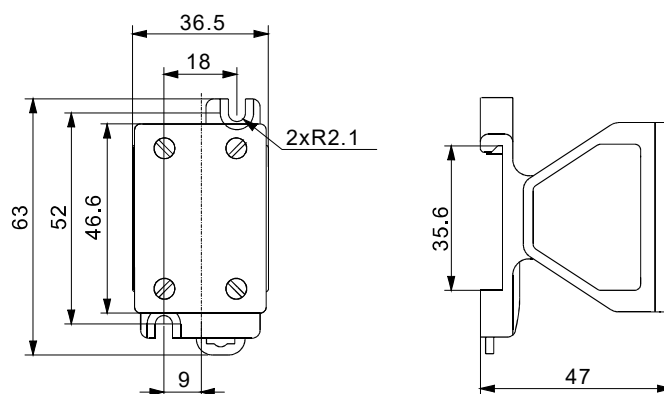
Technical data:

Ex mark:  II 2G Ex db eb IIC Gb
 Ambient temperature $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
 Can be used in zone 1 and 2
 Max voltage: 250 V AC/DC
 Rated power: 1. Watt max.
 Connections: 2.5 mm²
 Weight: 70 gram

Meets the standards: EN60079

Afbeelding Illustration	Aansluitschema Wiring diagram	Weerstandwaarde resistance value	Type
		250 Ω 500 Ω 3.3 K.Ohm 16 K.Ohm Andere waarden Other values	Z0203 - G601/2L-250 Z0203 - G601/2L-500 Z0203 - G601/2L-3K3 Z0203 - G601/2L-16K Z0203 - G601/2L-xxxx

Ω



Afmetingen Dimensions

Technische informatie

Ex marking: Ⓜ II 2G Ex db IIC T4 Gb
 Ⓜ II 2D Ex ptb IIIC T135°C Db IP66
 Geschikt voor zone 1,2, 21 en 22
 Omgevingstemperatuur: -60°C tot +50°C
 Beschermingsgraad: IP66
 Materiaal behuizing: Aluminium, zilver geëloxeerd
 Aansluiting: Silicone kabel (Halogeen vrij) 1 meter 3x0,75 mm²
 Montage: verticaal (kabel aan onderzijde)
 Voorzien van montage beugels

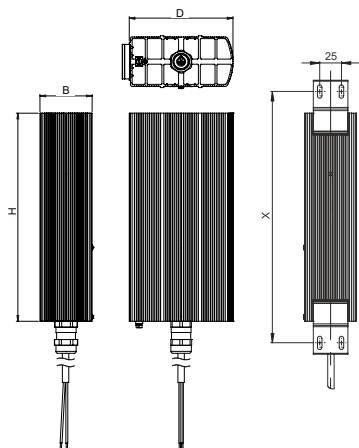
Conform de standaards: IEC60079 en EN60079

Technical data:

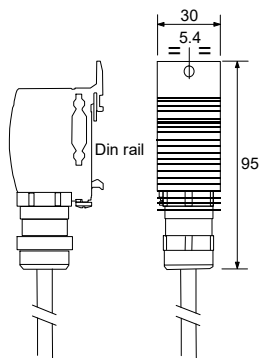
Ex mark: Ⓜ II 2G Ex db IIC T4 Gb
 Ⓜ II 2D Ex tb IIIC T135°C Db IP66
 Can be used in zone 1,2, 21 and 22
 Ambient temperature: -60°C to +50°C
 Degree of protection: IP66
 Material: Aluminium, silver anodised
 Connection: Silicone cable (halogen free) 1 meter 3x0.75mm²
 Mounting: Vertical (Cable on the bottom)
 Complete with mounting brackets

Meets the standards: IEC60079 and EN60079

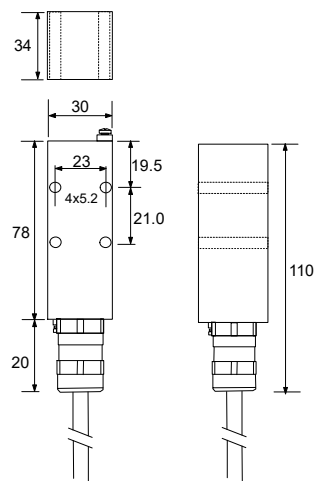
Afbeelding Illustration	Omschrijving Description	Afmetingen dimensions	Vermogen	Type
	Panel heater	H B D X		
		110 48 80 150	230 VAC / 50 Watt - 0,5A	HE-CREx 230/ 50W
		110 48 80 150	120 VAC / 50 Watt - 1,0A	HE-CREx 120/ 50W
		180 60 120 225	230 VAC / 100 Watt - 1,0A	HE-CREx 230/ 100W
		180 60 120 225	120 VAC / 100 Watt - 2,0A	HE-CREx 120/ 100W
		220 80 160 275	230 VAC / 150 Watt - 1,5A	HE-CREx 230/ 150W
		220 80 160 275	120 VAC / 150 Watt - 3,0A	HE-CREx 120/ 150W
		300 80 160 350	230 VAC / 200 Watt - 2,0A	HE-CREx 230/ 200W
		300 80 160 350	120 VAC / 200 Watt - 4,0A	HE-CREx 120/ 200W
		Din rail bracket	Dinrail beugel - TS35	HE-CREx 020 - 11
	Plaat verwarming plate heater	Volgens tekening As per drawing	24 VDC -100 - 10 Watt	HE-LP-4A-24
	Thermostaat Thermostat	Volgens tekening As per drawing	230 VAC /10A - 24VDC / 1A 	HE-REX011



Panel heater



Thermostaat
Thermostat



Plaat verwarming
Plate heater

Technische informatie:

Ex marking: II 2 G Ex e ib mb IIC
II 2 D Ex ib tb IIIC Db
Geschikt voor zone 1, 2, 21 en 22
Omgevingstemperatuur: $-40^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$
Beschermingsgraad: IP66
Spanning: 20.. 230 V AC/DC - 50/60 Hz.
Geluidsdruk: 60 dB(A) op 30 cm
Lichtsterkte: ca. 2000 mcd
Geschikt voor inbouw in Exe of Exd kast

Conform de standaards IEC60079 en EN60079

Technical data:

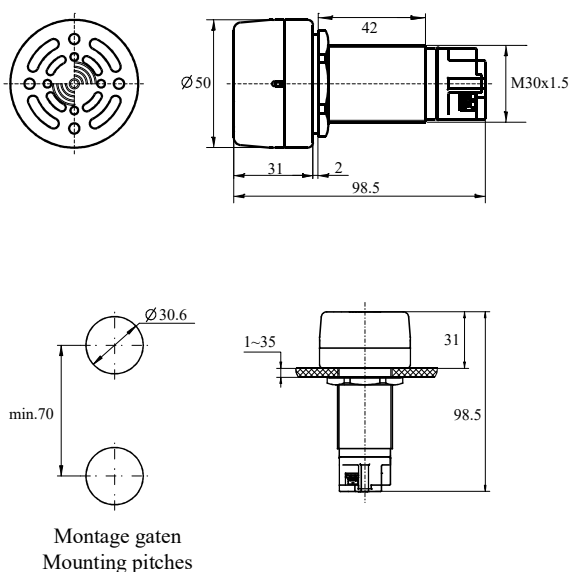
Ex mark: II 2 G Ex e ib mb IIC
II 2 D Ex ib tb IIIC Db
Can be used in zone 1, 2, 21 and 22
Ambient temperature: $-40^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$
Degree of protection: IP66
Voltage: 20/250 V DC/VAC - 50 / 60Hz.
Sound pressure: 60 dB (at 30 cm)
Lighting: aprox 2000 mcd
For mounting in Exe or Exd box

Meets the standards IEC60079 and EN60079

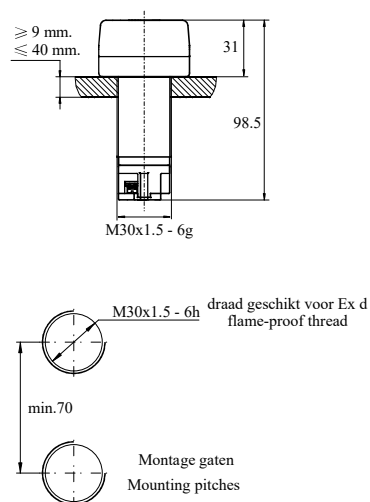
Afbeelding Illustration	Omschrijving Description	Type
	Flitser, buzzer combinatie met rode lens 20 .. 250 V AC/DC Flash type buzzer with red cover 20 .. 250 V AC/DC	Z1208 - F71
	Buzzer met zwarte lens 20 .. 250 V AC/DC Buzzer with black cover 20 .. 250 V AC/DC	Z1208 - B71

Afmetingen Dimensions

Installatie methode voor Ex e kasten Installation diagram for Ex e boxes



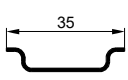
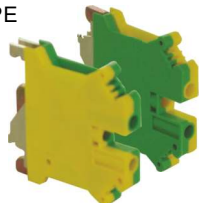
Installatie methode voor Ex d kasten Installation diagram for Ex d boxes



De Buzzer kan direct gemonteerd worden in een Ex d behuizing
The buzzer can be screwed directly onto the Ex d boxes

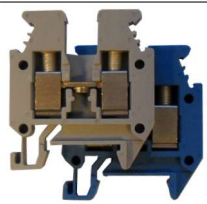
Aansluitklemmen Ex e

Terminals Ex e

Afbeelding Illustration	Spanning Voltage	Stroom Current	Aderdiameter Cross-section	Type
Grijs / Grey - type UT Blauw / Blue - type UT BU  TS35  35 Aardklem- type UT PE Earth terminal - type UT PE 	750V	22 A	0.2-2.5mm ²	UT2.5
	750V	30 A	0.2-4mm ²	UT4
	750V	38 A	0.2-6mm ²	UT6
	750V	57 A	0.5-10mm ²	UT10
	750V	72 A	4-16mm ²	UT16
	750V	112 A	0.75-35mm ²	UT35
	750V	135 A	25-50mm ²	UKH50
	750 V	22 A	0.2-2.5mm ²	UT2.5 BU
	750 V	30A	0.2-4mm ²	UT4 BU
	750 V	22 A	0.2-2.5mm ²	UT2.5 PE
	750 V	30 A	0.2-4mm ²	UT4 PE
	750V	38 A	0.2-6mm ²	UT6 PE
	750V	57 A	0.5-10mm ²	UT10 PE
	750V	72 A	4-16mm ²	UT16 PE
	750V	112 A	0.75-35mm ²	UT35 PE
	750V	135 A	25-50mm ²	USLKG50

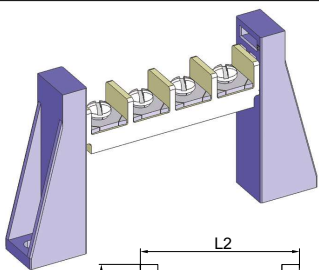
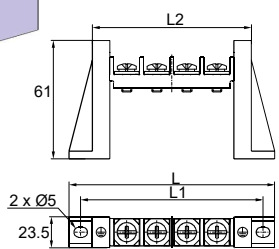
Miniklem

Mini terminal

Afbeelding Illustration	Spanning Voltage	Stroom Current	Aderdiameter Cross-section	Type
 TS15  15	500V	32A	4mm ²	MBK3/E-Z Grijs / Grey
	500V	32A	4mm ²	MBK3/E-Z BU Blauw / Blue

Aardrail 25 mm² met steunen

Earth rail 25 mm² with brackets

Afbeelding Illustration	Aantal verbindingen Number of connections	Afmetingen (mm) Dimensions (mm)			Type
		L	L1	L2	
  61 2 x Ø5 23.5 L2 L1	4x(2x10 mm ²)	106	94	82	Z306 PE/1-04
	4x(2x10 mm ²)	116	106	92	Z306 PE/3-04
	6x(2x10 mm ²)	142	130	118	Z306 PE/5-06
	8x(2x10 mm ²)	172	160	148	Z306 PE/7-08
	16x(2x10 mm ²)	300	288	276	Z306 PE/8-16

Aardverbinding

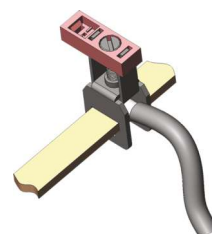
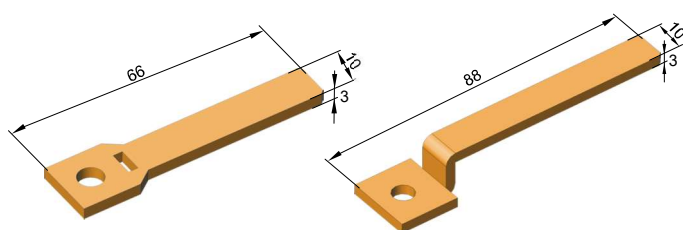
Earth terminal

Afbeelding Illustration	Spanning Voltage	Stroom Current	Aderdiameter Cross-section	Type
	250V	16A	4mm ²	Z - 302 PE

Aansluitstrip

Connectionstrip

Afbeelding Illustration	Spanning Voltage	Stroom Current	Omschrijving Description	Type
	415V	80A	Recht In line	Z - 8012/1
	415V	80A	Versprongen Leaped	Z - 8012/2



Afmetingen

Dimensions

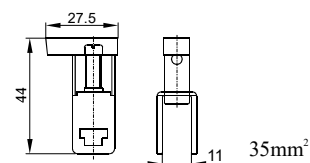
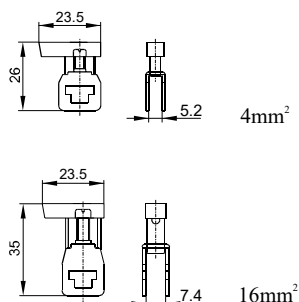
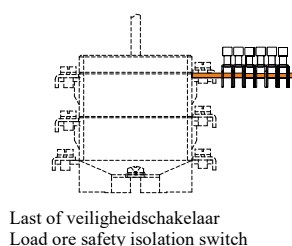
Rail aansluitklem

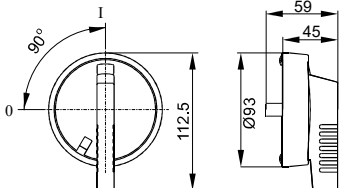
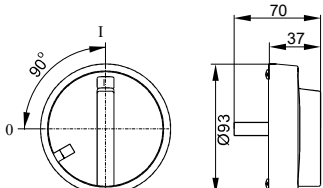
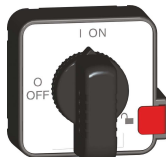
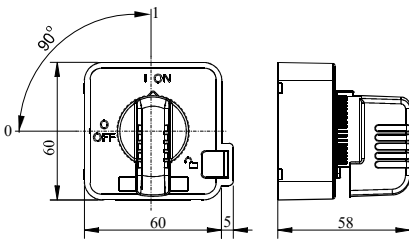
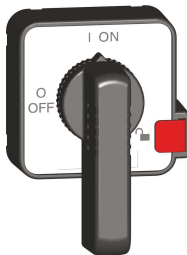
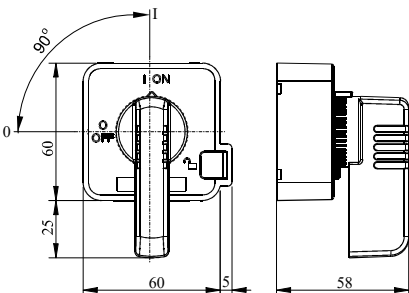
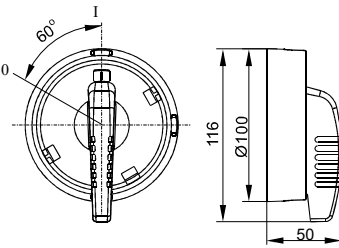
Line pressing terminal

Afbeelding Illustration	Aderdiameter Cross-section	Kleur Colour	Type
	4 mm ²	Zwart Rood Geel	Z - 8013/4-Z Z - 8013/4-R Z - 8013/4-Y
	16 mm ²	Zwart Rood Geel	Z - 8013/16-Z Z - 8013/16-R Z - 8013/16-Y
	35 mm ²	Zwart Rood Geel	Z - 8013/32-Z Z - 8013/32-R Z - 8013/32-Y

Afmetingen

Dimensions



Afbeelding Illustration	Afmetingen Dimensions	Kleur knop colour knob	Type
		Zwart Black	Z - 8003/1 D
		Rood/geel Red/yellow	Z - 8003/1 R
		Zwart Black	Z - 8003/2
		Zwart Black	Z - 8029/1
		Zwart Black	Z - 8029/2
		Zwart Black	Z - 8003/3D
		Rood/geel Red/yellow	Z - 8003/3R

Afbeelding Illustration	Omschrijving Description	Type
	Montagestrip t.b.v. Ex e kasten type INDEX.E.F Mounting bracket for Ex e boxes of type INDEX.E.F	Z 8017
Z 8004 Z 8005 Z 8006	Koppelstukken voor Ex e kasten type INDEX.E.F Type Z 8005 en Z 8006 zijn alleen te gebruiken voor kasten met een diepte van minimaal 161 mm. Coupling unit for Ex e boxes of type INDEX.E.F Type Z 8005 en Z 8006 are to be used only for boxes with minimum depth of 161 mm.	Z 8004 Z 8005 Z 8006
	Rail voor het monteren van Ex e kasten type INDEX.E.F voor 1 kast van 352 mm - railenlgte 419 mm voor 2 kasten van 352 mm - railenlgte 769 mm voor 3 kasten van 352 mm - railenlgte 1119 mm voor 4 kasten van 352 mm - railenlgte 1539 mm voor 5 kasten van 352 mm - railenlgte 1889 mm Rail for mounting of Ex e boxes of type INDEX.E.F for 1 box of 352 mm - rail length 419 mm for 2 boxes of 352 mm - rail length 769 mm for 3 boxes of 352 mm - rail length 1119 mm for 4 boxes of 352 mm - rail length 1539 mm for 5 boxes of 352 mm - rail length 1889 mm	Z 8000 - U4/1 Z 8000 - U4/2 Z 8000 - U4/3 Z 8000 - U4/4 Z 8000 - U4/5 Z 8000 - U4/1 Z 8000 - U4/2 Z 8000 - U4/3 Z 8000 - U4/4 Z 8000 - U4/5
	Koppelstuk voor montagerail Z8000 - U4 Connection unit for mounting rail Z8000 - U4	Z 8000 - UL/1