

**Omschrijving:**

Index Elektro levert een compleet programma explosieveilige bedienings- en signaleringscomponenten.

Het programma omvat:

- drukknoppen, dubbele drukknoppen, paddenstoeldrukknoppen en (sleutel) schakelaars
- 2 en 4 polige contactelementen met een belastbaarheid tot 16 Ampère en met een levensduur van 1.000.000 schakelingen
- signaallampen met hoge helderheid en een levensduur van meer dan 100.000 uur
- verlichte drukknoppen
- potmeters
- noodstopdrukknoppen push/pull en draai voor ontgrendeling en met sleutel ontgrendeling
- 2-polige bedieningsschakelaars
- 4-polige bedieningsschakelaars

Bovenstaande componenten zijn geschikt voor gatmontage met een diameter van 30mm bij een materiaaldikte van maximaal 6 mm en zijn leverbaar in uitvoeringen geschikt voor railmontage, frontmontage en frontmontage met kabel aansluitbox. Verder is een ampèremeter in het programma opgenomen. Deze is geschikt voor directe stroommeting tot 15 A of tot 600A met gebruik van een stroomtransformator. Naast deze amperemeter is het programma aangevuld met een mA- en een voltmeter. De meters zijn leverbaar in rail- en frontmontage.

Alle bedienings- en signaleringscomponenten hebben zowel IECEx (op aanvraag) als standaard een ATEX certificering.

Description:

Index Elektro supplies a complete range of explosion proof control and indicating units.

The programme contains:

- pushbuttons, double pushbuttons, mushroom buttons and (key) switches
- 2 and 4 pol contact blocks up to 16 Ampere with mechanical life of 1.000.000 switching cycles
- pilot lights with high brightness with lifetime of 100.000 hours
- illuminated pushbuttons
- potmeters
- emergency stop pushbuttons push/pull, turn to release and release by key
- 2-pole switches
- 4-pole switches

Mentioned components are suitable for front mount with a diameter of 30mm at a material thickness with a maximum of 6mm and are available in versions suitable for base mount, front mount and front mount with junction box

In addition an ammeter is included in the programme. This ammeter is suitable for direct measurement up to 15 A or up to 600A with use of a current transformer. Further there is a mA and Volt-meter. The meters are available in base mount and front mount.

All control and indication units are both IECEx (on request) and ATEX certified.

**Zone 1 & zone 2
Zone 21 & zone 22**

Schematische voorstelling Representation



- ① Explosie veilig contactelement te gebruiken in combinatie met P1/P2/P3/P4/P6/P7/Y0/Y1/Y□/K□/S□
- ② Explosie veilig 4-polig contactelement + bedieningsknop
- ③ Explosie veilige signaallampmodule + lens
- ④ Explosie veilige verlichte drukknop
- ⑤ Explosie veilige potentiometer + bedieningsknop
- ⑥ Explosie veilige Ampère- en Volt-meter + venster EXM

Explosion proof contact block in combination with P1/P2/P3/P4/Y0/Y1/Y□/K□/S□
 Explosion proof 4-pole switch module + knob
 Explosion proof pilot light module + lens
 Explosion proof illuminated pushbutton
 Explosion proof potentiometer module + knob
 Explosion proof Ammeter and Voltmeter + cover EXM

Explosieveilig contactelement 2 polig Explosion proof contact block 2 pol

Technische informatie:

Ex markering: II 2G Ex db eb IIC Gb
Geschikt voor zone 1 en 2
Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
Omgevingstemperatuur optioneel: $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
Beschermingsgraad: IP20 / IP66
Spanning / Stroom: 400 VAC / 16A
Spanning / Stroom: 110 VDC / 1A
Mechanische levensduur: 1.000.000 schakelingen
Railmontage: DIN-EN montage rail TS35
Frontmontage: met connectiemoer

Conform de standaards: IEC60079 en EN60079

Technical data:

Ex mark: II 2G Ex db eb IIC Gb
Can be used in zone 1 and zone 2
Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
Optional temperature: $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
Degree of protection: IP20 / IP66
Voltage / Current: 400 VAC/16A
Voltage / Current: 110 VDC/1A
Mechanical life: 1.000.000 switching cycles
Base mount type: DIN-EN mounting rail TS35
Front mount type: with connection nut

Meets the standards: IEC60079 and EN60079



Z0201 - 6



Z0201 - 7



Z0201 - 9

Type contactelement Type contact block:	 11 23 12 24 1NC/1NO	0	 11 21 12 22 2NC	1	 13 23 14 24 2NO	2
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Bedieningselementen Actuating elements

Technische informatie

Ex mark: II 2GD Ex eb IIC Gb Ex tb IIIC Db
Geschikt voor zone 1, 2, 21 en 22.
Omgevingstemperatuur: $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
Beschermingsgraad: IP66
Materiaal: polyamide

Conform de standaards: IEC- EN 60079, IEC-EN 61241

Technical data:

Ex mark: II 2GD Ex eb IIC Gb Ex tb IIIC Db
Can be used in zone 1, 2, 21 en 22.
Ambient temperature: $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
Degree of protection: IP66
Material: polyamide

Meets the standards: IEC-EN 60079, IEC- EN61241



Z0201 P1



Z0201 P2



Z0201 -VB61



Z0201 VE6



Z0201 P6B



Z0201 P3



Z0201 P6E



Z0201 P7E



Z0201 Y0



Z0201 P4-Z



Z0201 P4-G
Z0201 P4-R



Z0201 Y1



Z0201 K



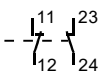
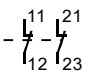
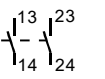
Z0201 S



Z0201 Y3..Y8

Type contactelement Type contact block			
Drukknop Pushbutton Labels zie blad C5 Labels see page C5	Z0201-P1-60 Z0201-P1-70 Z0201-P1-90	Z0201-P1-61 Z0201-P1-71 Z0201-P1-91	Z0201-P1-62 Z0201-P1-72 Z0201-P1-92
Dubbele drukknop Double pushbutton Labels zie blad C5 Labels see page C5	Z0201-P2-60 Z0201-P2-70 Z0201-P2-90	Z0201-P2-61 Z0201-P2-71 Z0201-P2-91	Z0201-P2-62 Z0201-P2-72 Z0201-P2-92
Noodstopdrukknop push-pull Emergency pushbutton push-pull P3	Z0201-P3-60 Z0201-P3-70 Z0201-P3-90	Z0201-P3-61 Z0201-P3-71 Z0201-P3-91	Z0201-P3-62 Z0201-P3-72 Z0201-P3-92
Paddenstoeldrukknop Mushroom button P4 - G - Groen / Green P4 - R - Rood / Red P4 - Z - Zwart / black	Z0201-P4-□-60 Z0201-P4-□-70 Z0201-P4-□-90	Z0201-P4-□-61 Z0201-P4-□-71 Z0201-P4-□-91	Z0201-P4-□-62 Z0201-P4-□-72 Z0201-P4-□-92
Noodstopdrukknop - draai voor ontgrendelen Emergency pushbutton - turn to release knop Ø 40 mm knob Ø 40 mm	Z0201-P6E-60 Z0201-P6E-70 Z0201-P6E-90	Z0201-P6E-61 Z0201-P6E-71 Z0201-P6E-91	Z0201-P6E-62 Z0201-P6E-72 Z0201-P6E-92
Drukknop - draai voor ontgrendelen Pushbutton - turn to release knop Ø 40 mm knob Ø 40 mm	Z0201-P6B-60 Z0201-P6B-70 Z0201-P6B-90	Z0201-P6B-61 Z0201-P6B-71 Z0201-P6B-91	Z0201-P6B-62 Z0201-P6B-72 Z0201-P6B-92
Noodstopdrukknop - draai voor ontgrendelen Emergency pushbutton - turn to release knop Ø 70 mm knob Ø 70 mm	Z0201-P7-60 Z0201-P7-70 Z0201-P7-90	Z0201-P7-61 Z0201-P7-71 Z0201-P7-91	Z0201-P7-62 Z0201-P7-72 Z0201-P7-92
Noodstopdrukknop met sleutel Emergency stop pushbutton with key Y0	Z0201-Y0-60 Z0201-Y0-70 Z0201-Y0-90	Z0201-Y0-61 Z0201-Y0-71 Z0201-Y0-91	Z0201-Y0-62 Z0201-Y0-72 Z0201-Y0-92
Drukknop met sleutel pushbutton with key Y1	Z0201-Y1-60 Z0201-Y1-70 Z0201-Y1-90	Z0201-Y1-61 Z0201-Y1-71 Z0201-Y1-91	Z0201-Y1-62 Z0201-Y1-72 Z0201-Y1-92

Typenummers 2 polige bedieningen
Type numbers 2 pol units

Type contactelement Type contact block	 NO/NC	 2NC	 2NO
Wip schakelaar Rocket switch  VE6101 Yellow/red 0-I VB6101 Black 0-I VB6102 Black I-II	Z0201-VE6101-60 Z0201-VB6101-70 Z0201-VB6102-90	Z0201-VE6101-61 Z0201-VB6101-71 Z0201-VB6102-91	Z0201-VE6101-62 Z0201-VB6101-72 Z0201-VB6102-92
Schakelaar Switch  Y □ S □ K □	Zie blad C6 See page C6	Zie blad C6 See page C6	Zie blad C6 See page C6

Label voor drukknop
Label for pushbutton

Code	Gravering Engraving	Kleur Colour	Kleur tekst Colour text	
Z0201 - P - A		groen green		
Z0201 - P - B	I	groen green	wit white	
Z0201 - P - C	ON	groen green	wit white	
Z0201 - P - D	START	groen green	wit white	
Z0201 - P - E		rood red		
Z0201 - P - F	O	rood red	wit white	
Z0201 - P - G	OFF	rood red	wit white	
Z0201 - P - H	STOP	rood red	wit white	
Z0201 - P - I		wit white		
Z0201 - P - J	II	wit white	zwart black	
Z0201 - P - K	↑	wit white	zwart black	
Z0201 - P - L	BW	wit white	grijs grey	
Z0201 - P - M	FW	wit white	grijs grey	
Z0201 - P - N				
Z0201 - P - O	↑↑	wit white	zwart black	
Z0201 - P - P		geel yellow		
Z0201 - P - Q	II	geel yellow	wit white	
Z0201 - P - R		zwart black		
Z0201 - P - S	+	zwart black	wit white	
Z0201 - P - T	-	zwart black	wit white	
Z0201 - P - U	I	zwart black	wit white	
Z0201 - P - V	II	zwart black	wit white	
Z0201 - P - W	III	zwart black	wit white	
Z0201 - P - X	IV	zwart black	wit white	
Z0201 - P - Y		blauw blue		
Z0201 - P - Z	Reset	blauw blue	wit white	
Andere uitvoeringen of kleuren op aanvraag Other types or colours on request				

Afbeelding Illustration	Label	Contactbezetting Contacts	Type
 Railmontage Base mount Frontmontage Front mount Frontmontage met kabel Front mount with cable	0 I II	 	Z0201 K4 ☐ 03 Z0201 S4 ☐ 03 Z0201 Y4 ☐ 03
	I 0 II	 	Z0201 K4 ☐ 24 Z0201 S4 ☐ 24 Z0201 Y4 ☐ 24
	I 0 II	 	Z0201 K5 ☐ 24 Z0201 S5 ☐ 24 Z0201 Y5 ☐ 24
	0 I II	 	Z0201 K5 ☐ 03 Z0201 S5 ☐ 03 Z0201 Y5 ☐ 03
	0 I	 	Z0201 K6 ☐ 21 Z0201 S6 ☐ 21 Z0201 Y6 ☐ 21
	I II	 	Z0201 K6 ☐ 02 Z0201 S6 ☐ 02 Z0201 Y6 ☐ 02
	0 • I	 	Z0201 K8 ☐ 25 Z0201 S8 ☐ 25 Z0201 Y8 ☐ 25
	I 0 II	 	Z0201 K8 ☐ 24 Z0201 S8 ☐ 24 Z0201 Y8 ☐ 24
	I 0 II	 	Z0201 K7 ☐ 24 Z0201 S7 ☐ 24
	0 •	 	Z0201 Y3 ☐ 0S

K - Draaigreep Ø39mm
S - Bedieningsknop Ø60mm
Y - sleutel schakelaar

K - Handle Ø39mm
S - Knob Ø60mm
Y - Keyswitch

6 - Railmontage
7 - Frontmontage
9 - Frontmontage met kabel

6 - Base mount type
7 - Front mount type
9 - Front mount cable type

Label:

Code	Gravering Engraving	Kleur Colour	Kleur tekst Colour text	
1	0 - I	Zwart Black	Wit White	
2	I - II	Zwart Black	Wit White	
3	0 - I - II	Zwart Black	Wit White	
4	I - 0 - II	Zwart Black	Wit White	
5	0 - • - I	Zwart Black	Wit White	



Explosieveilig contactelement 4 polig

Explosion proof contact block 4 pol

Technische informatie:

Ex marking: II 2G Ex db eb IIC Gb
 Geschikt voor zone 1 en 2
 Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
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Technical data:

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 Optional temperature: $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Degree of protection: IP20 / IP66
 Voltage / Current: 400 VAC/16A
 Voltage / Current: 110 VDC/1A
 Mechanical life: 1.000.000 switching cycles
 Base mount type: DIN-EN mounting rail TS35
 Front mount type: with connection nut

Meets the standards: IEC60079 and EN60079



Type contactelement Type contact block	 2NC/2NO	 4NC	 4NO	 1NC/3NO	 3NC/1NO
Code railmontage Code base mount	Z0201 - 6 50	Z0201 - 6 51	Z0201 - 6 52	Z0201 - 6 53	Z0201 - 6 54
Code frontmontage Code front mount	Z0201 - 7 50	Z0201 - 7 51	Z0201 - 7 52	Z0201 - 7 53	Z0201 - 7 54

Bedieningselementen

Actuating elements

Technische informatie

Ex mark: II 2GD Ex eb IIC Gb Ex 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
 Materiaal: polyamide

Conform de standaards: IEC- EN 60079, IEC-EN 61241

Technical data:

Ex mark: II 2GD Ex eb IIC Gb Ex tb IIIC Db
 Can be used in zone 1, 2, 21 en 22.
 Ambient temperature: $-40^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$
 Degree of protection: IP66
 Material: polyamide

Meets the standards: IEC-EN 60079, II



Z0201 P1



Z0201 P2



Z0201 -VB61



Z0201 VE6□



Z0201 P6B



Z0201 P3



Z0201 P6E



Z0201 P7E



Z0201 Y0



Z0201 P4-Z



Z0201 P4-G
Z0201 P4-R



Z0201 Y1



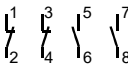
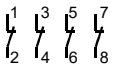
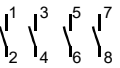
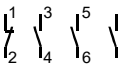
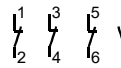
Z0201 K□T



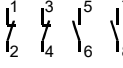
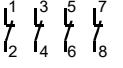
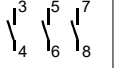
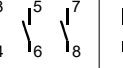
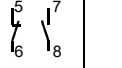
Z0201 S□



Z0201 Y3..Y8

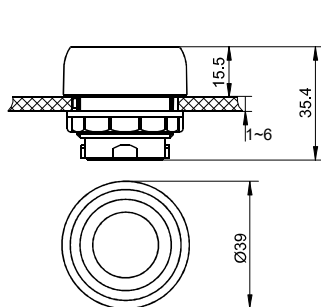
Type contactelement Type contact block	 2NC/2NO	 4NC	 4NO	 1NC/3NO	 3NC/1NO
 P1	Z0201-P1-6 50 Z0201-P1-7 50	Z0201-P1-6 51 Z0201-P1-7 51	Z0201-P1-6 52 Z0201-P1-7 52	Z0201-P1-6 53 Z0201-P1-7 53	Z0201-P1-6 54 Z0201-P1-7 54
 P2	Z0201-P2-6 50 Z0201-P2-7 50	Z0201-P2-6 51 Z0201-P2-7 51	Z0201-P2-6 52 Z0201-P2-7 52	Z0201-P2-6 53 Z0201-P2-7 53	Z0201-P2-6 54 Z0201-P2-7 54
 P3	Z0201-P3-6 50 Z0201-P3-7 50	Z0201-P3-6 51 Z0201-P3-7 51	Z0201-P3-6 52 Z0201-P3-7 52	Z0201-P3-6 53 Z0201-P3-7 53	Z0201-P3-6 54 Z0201-P3-7 54
 P4 - Z  P4 - G / P4 - R	Z0201-P4□-6 50 Z0201-P4□-7 50	Z0201-P4□-6 51 Z0201-P4□-7 51	Z0201-P4□-6 52 Z0201-P4□-7 52	Z0201-P4□-6 53 Z0201-P4□-7 53	Z0201-P4□-6 54 Z0201-P4□-7 54
 P6E	Z0201-P6E-6 50 Z0201-P6E-7 50	Z0201-P6E-6 51 Z0201-P6E-7 51	Z0201-P6E-6 52 Z0201-P6E-7 52	Z0201-P6E-6 53 Z0201-P6E-7 53	Z0201-P6E-6 54 Z0201-P6E-7 54
 P6B	Z0201-P6B-6 50 Z0201-P6B-7 50	Z0201-P6B-6 51 Z0201-P6B-7 51	Z0201-P6B-6 52 Z0201-P6B-7 52	Z0201-P6B-6 53 Z0201-P6B-7 53	Z0201-P6B-6 54 Z0201-P6B-7 54
 P7	Z0201-P7-6 50 Z0201-P7-7 50	Z0201-P7-6 51 Z0201-P7-7 51	Z0201-P7-6 52 Z0201-P7-7 52	Z0201-P7-6 53 Z0201-P7-7 53	Z0201-P7-6 54 Z0201-P7-7 54
 Y0	Z0201-Y0-6 50 Z0201-Y0-7 50	Z0201-Y0-6 51 Z0201-Y0-7 51	Z0201-Y0-6 52 Z0201-Y0-7 52	Z0201-Y0-6 53 Z0201-Y0-7 53	Z0201-Y0-6 54 Z0201-Y0-7 54
 Y1	Z0201-Y1-6 50 Z0201-Y1-7 50	Z0201-Y1-6 51 Z0201-Y1-7 51	Z0201-Y1-6 52 Z0201-Y1-7 52	Z0201-Y1-6 53 Z0201-Y1-7 53	Z0201-Y1-6 54 Z0201-Y1-7 54

Typenummers 4 polige bedieningen Type numbers 4 pol units

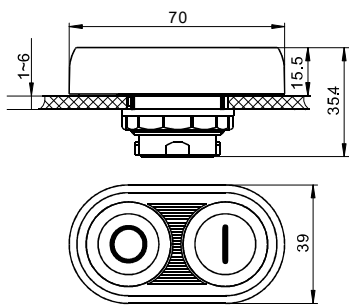
Type contactelement Type contact block	 2NC/2NO	 4NC	 4NO	 1NC/3NO	 3NC/1NO
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 S □  K □  SY □	Op aanvraag On request	Op aanvraag On request	Op aanvraag On request	Op aanvraag On request	Op aanvraag On request

Label voor drukknop Label for pushbutton

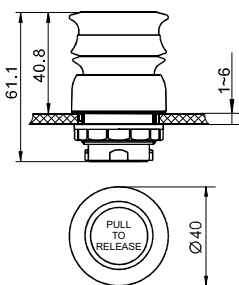
Code	Gravering Engraving	Kleur Colour	Kleur tekst Colour text	
Z0201 - P - A		groen green		
Z0201 - P - B	I	groen green	wit white	
Z0201 - P - C	ON	groen green	wit white	
Z0201 - P - D	START	groen green	wit white	
Z0201 - P - E		rood red		
Z0201 - P - F	O	rood red	wit white	
Z0201 - P - G	OFF	rood red	wit white	
Z0201 - P - H	STOP	rood red	wit white	
Z0201 - P - I		wit white		
Z0201 - P - J	II	wit white	zwart black	
Z0201 - P - K	↑	wit white	zwart black	
Z0201 - P - L	BW	wit white	grijs grey	
Z0201 - P - M	FW	wit white	grijs grey	
Z0201 - P - N				
Z0201 - P - O	↑↑	wit white	zwart black	
Z0201 - P - P		geel yellow		
Z0201 - P - Q	II	geel yellow	wit white	
Z0201 - P - R		zwart black		
Z0201 - P - S	+	zwart black	wit white	
Z0201 - P - T	-	zwart black	wit white	
Z0201 - P - U	I	zwart black	wit white	
Z0201 - P - V	II	zwart black	wit white	
Z0201 - P - W	III	zwart black	wit white	
Z0201 - P - X	IV	zwart black	wit white	
Z0201 - P - Y		blauw blue		
Z0201 - P - Z	Reset	blauw blue	wit white	
Andere uitvoeringen of kleuren op aanvraag Other types or colours on request				



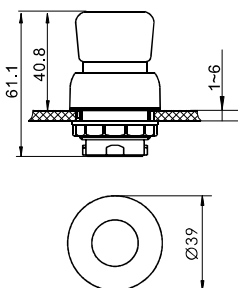
P1 Drukknop
P1 Pushbutton



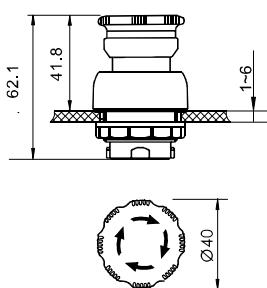
P2 Dubbele drukknop
P2 Double pushbutton



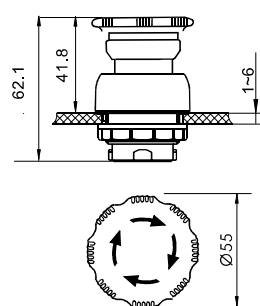
P3 Noodstopdrukknop - Push/pull
P3 Emergency stop pushbutton



P4 Paddenstoeldrukknop
P4 Mushroom button

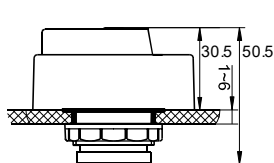


P6E/P6B (Noodstop) drukknop, draai om te ontgrendelen
P6E/P6B (Emergency) stop pushbutton, turn to release

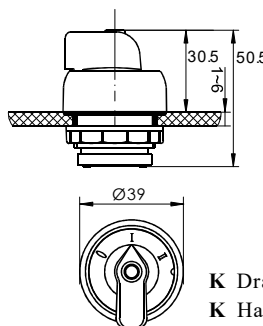
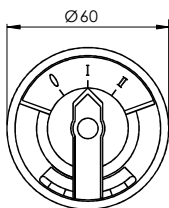


P7 Noodstopdrukknop, draai om te ontgrendelen

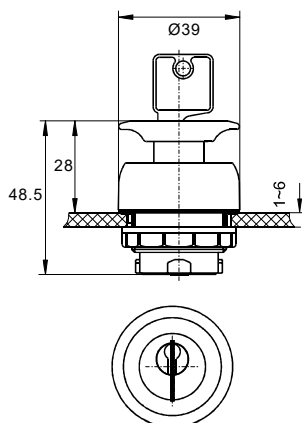
P7 Emergency stop pushbutton, turn to release



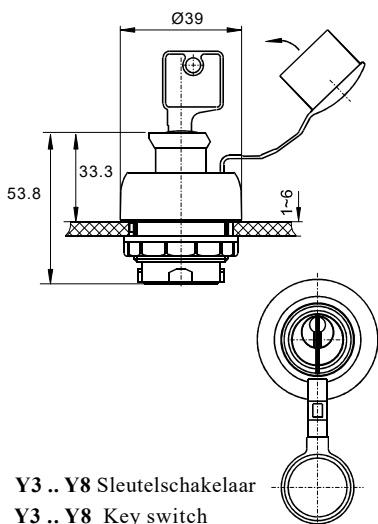
S Bedieningsknop Ø60mm
S Knob Ø60mm



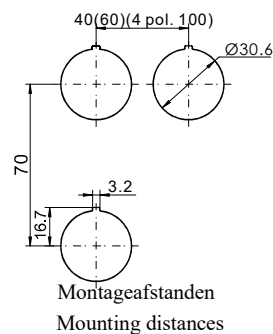
K Draaigreep Ø39mm
K Handle Ø39mm



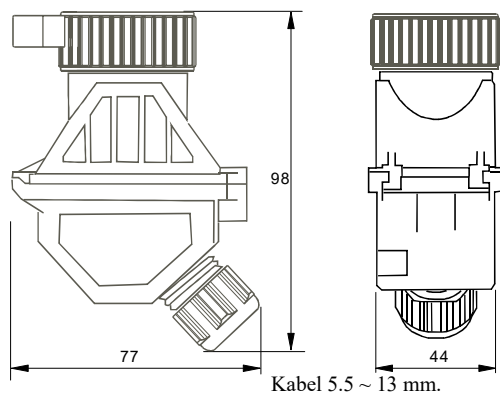
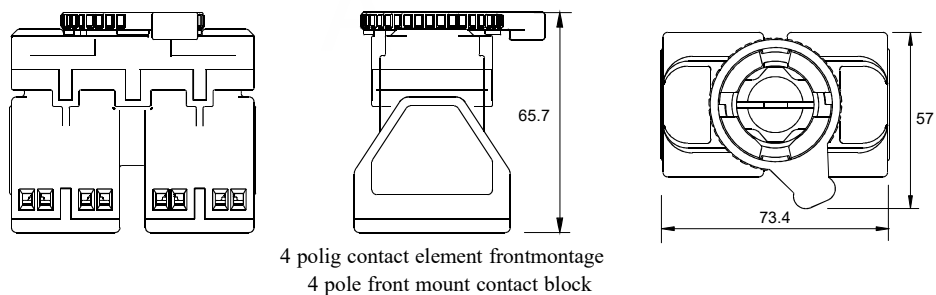
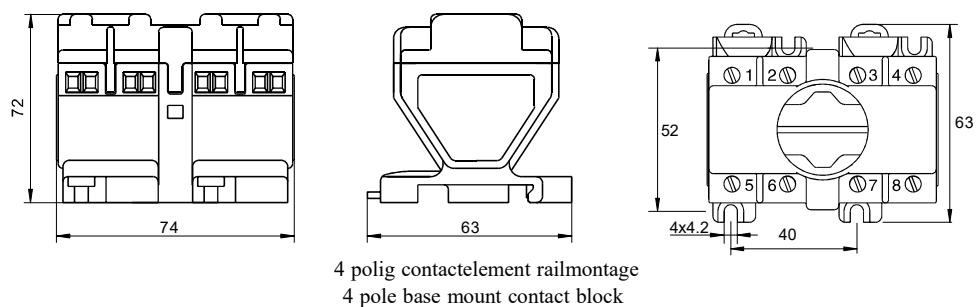
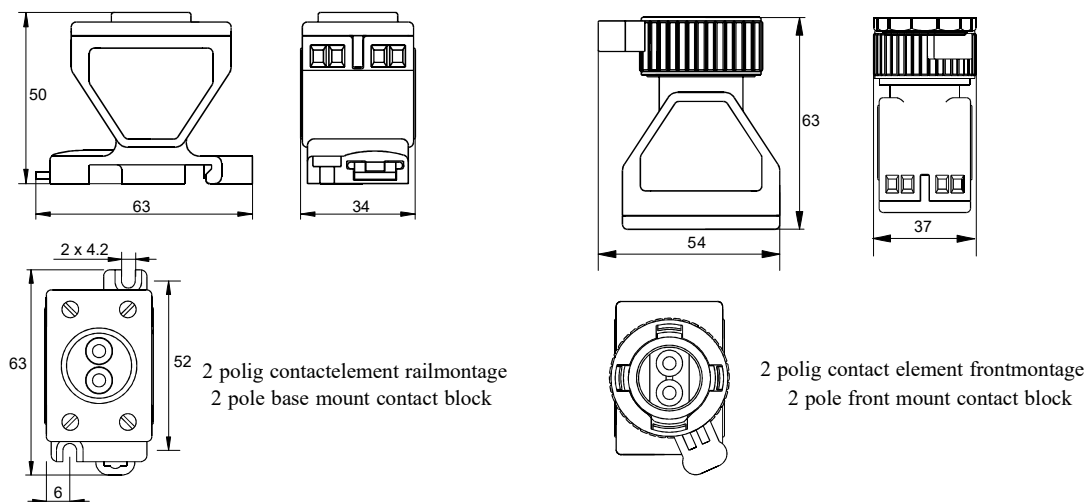
Y0 Noodstop met sleutel
Y0 Emergency stop with key



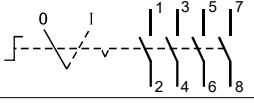
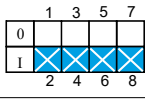
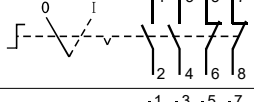
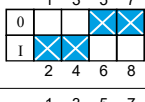
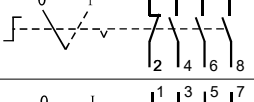
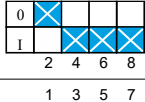
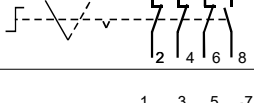
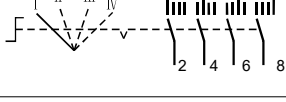
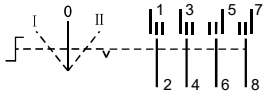
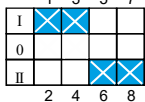
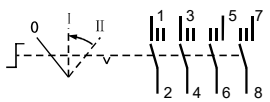
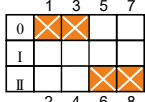
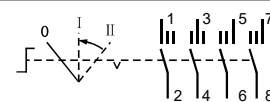
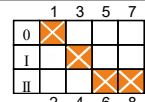
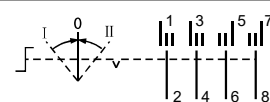
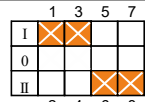
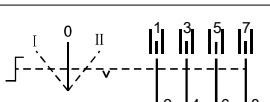
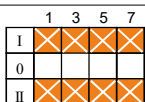
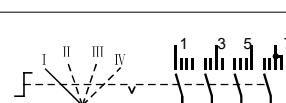
Y3 .. Y8 Sleutelschakelaar
Y3 .. Y8 Key switch



Montageafstanden
Mounting distances

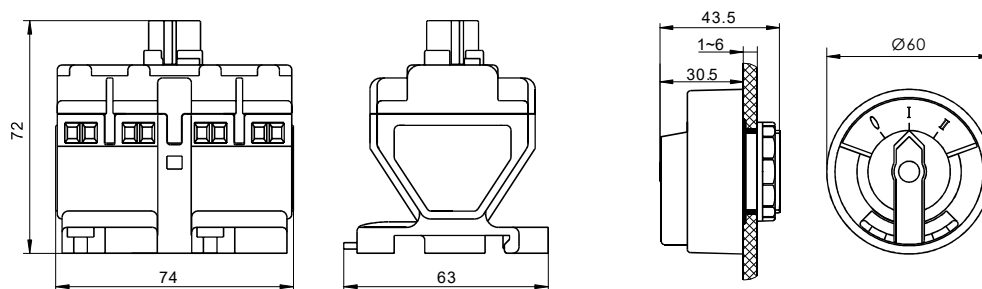


Frontmontage met kabel aansluitdoos
Front mount with cable junctionbox

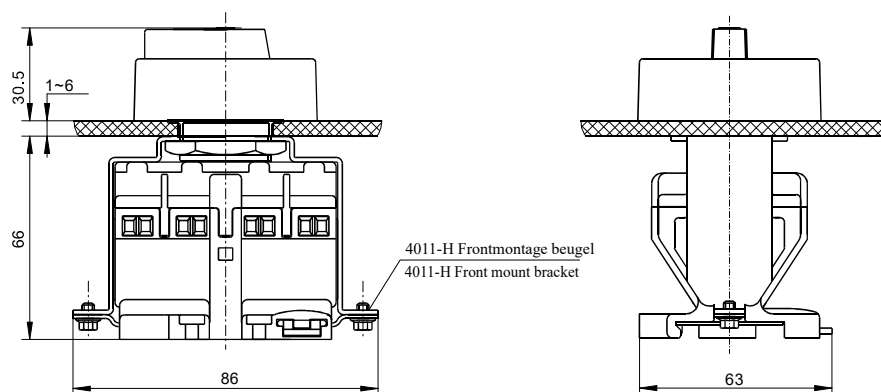
Afbeelding Illustration	Label	Contactbezetting Contacts	Type
 Railmontage Base mount Frontmontage Front mount Blauw : voorraadartikel Blue : stock item	0 I	 	H□ 0101 □
	0 I	 	H□ 0201 □
	0 I	 	H□ 0301 □
	0 I	 	H□ 0401 □
	I II III IV	 	H□ 0504
	I 0 II	 	H□ 0603
	0 I II	 	H□ 0702
	0 I II	 	H□ 0802
	I 0 II	 	H□ 1003
	I 0 II	 	H□ 1103 □
	I II III IV	 	H□ 1204 □
	I 0 II	 	H□ 1303 □

6 - Railmontage 6 = Base mount
7 - Frontmontage 7 = Front mount

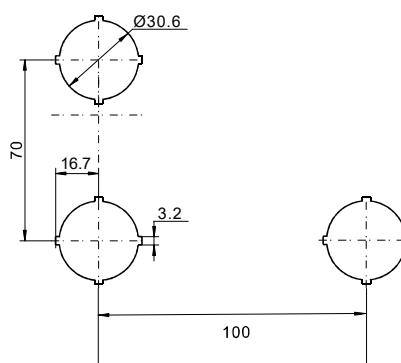
D = zwarte knop D = knob black
R = rood/gele knop R = Knob red/yellow



Railmontage 4-polige schakelaar
 Base mount type 4-pole switch



Frontmontage 4-polige schakelaar
 Front mount type 4-pole switch



Signaallamp element Pilot light module

Technische informatie:

Ex marking: II 2 G Ex db eb IIC Gb

II 2 G Ex eb ia IIC Gb

Geschikt voor zone 1 en zone 2

Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Beschermingsgraad: IP20 / IP66

Spanning: Ex de type: 20 .. 250 V AC/DC - 380 .. 400 V AC/DC

Voltage Ex ia type: 10-28 AC/DC

Energieverbruik: $P_{\max} \leq 2\text{W}$

Lichtbron: LED

Levensduur: 100.000 uur

Railmontage: DIN-EN montagerail TS35

Frontmontage: met connectiemoer

Conform de standaards: IEC60079 en EN60079

Technical data:

Ex mark: II 2 G Ex db eb IIC Gb

II 2 G Ex eb ia IIC Gb

Can be used in zone 1 and zone 2

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Degree of protection: IP20 / IP66

Voltage Ex de type: 20 .. 250 V AC/DC - 380 .. 400 V AC/DC

Voltage Ex ia type: 10 .. 28 V AC/DC

Power consumption: $P_{\max} \leq 2\text{W}$

Light source: LED

Electric life: 100.000 hours

Base mount type: DIN-EN mountingrail TS35

Front mount type: with connection nut

Meets the standards: IEC60079 and EN60079

Railmontage
Base mount



Z0202 - 60x

Frontmontage
Front mount



Z0202 - 70x

Frontmontage met kabel aansluitdoos
Front mount with cable junctionbox



Z0202 - 90x

Lenzen Lenses

Technische informatie:

Ex marking: II2GD Ex eb IIC Gb Ex tb IIIC Db

Geschikt voor zone 1, 2, 21 en 22

Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Beschermingsgraad: IP66

Materiaal: Polyamide

Conform de standaards: IEC-EN60079, IEC-EN61241



Technical data:

Ex mark: II2GD Ex eb IIC Gb Ex tb IIIC Db

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

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Degree of protection: IP66

Material: Polyamide

Meets the standards: IEC-EN 60079, IEC-EN61241

Type numbers Type numbers

	Spanning Voltage		Railmontage Base mount	Frontmontage Front mount	Frontmontage met kabel aansluitdoos Front mount with cable junctionbox
	20..250 V AC/DC		Z0202 - LED - 601	Z0202 - LED - 701	Z0202 - LED - 901
	380..400 V AC/DC		Z0202 - LED - 602	Z0202 - LED - 702	Z0202 - LED - 902
	10..28 V AC/DC		Z0202 - LED - 600	Z0202 - LED - 700	Z0202 - LED - 900
	● Rood ● Groen ● Geel ● Blauw ○ Wit Red Green Yellow Blue White		Z0202 Lens RD Z0202 Lens LG Z0202 Lens LY Z0202 Lens LB Z0202 Lens LW		

Verlichte drukknop element Illuminated pushbutton module

Technische informatie:

Ex marking: $\text{Ex II 2G Ex db eb IIC Gb}$
 Geschikt voor zone 1 en zone 2
 Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 Beschermingsgraad: IP20 / IP66
 Spanning contact: 250 VAC/10A, 24 VDC/1A.
 Spanning signaal: 20..250VAC, 10..28VDC
 Mechanische levensduur: 1.000.000 schakelingen
 Energieverbruik: $P_{\text{max}} \leq 2\text{W}$ - Levensduur: 100.000 uur
 Railmontage: DIN-EN montage rail TS35
 Frontmontage: met connectiemoer

Conform de standaards: IEC60079 en EN60079

Technical data:

Ex mark: $\text{Ex II 2G Ex db eb IIC}$
 Can be used in zone 1 and zone 2
 Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 Degree of protection: IP20 / IP66
 Voltage: 250 VAC/10A, 24 VDC/1A
 Pilot light: Voltage: 20..250 VAC, 10..28 VDC
 Mechanical life: 1.000.000 switching cycles
 Power: $P_{\text{max}} \leq 2\text{W}$ - Electric life: 100.000 hours
 Base mount type: DIN-EN mountingrail TS35
 Front mount type: with connection nut

Meets the standards: IEC60079 and EN60079



Z0212 - 6 □



Z0212 - 7 □



Z0212 - 9 □

Verlichte drukknop lens Illuminated button actuator

Technische informatie:

Ex marking: $\text{Ex II 2GD Ex e IIC Ex tD A21}$
 Geschikt voor zone 1, 2, 21 en 22
 Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 Beschermingsgraad: IP66
 Materiaal: Polyamide
 Conform de standaards: IEC-EN60079, IEC-EN61241



Technical data:

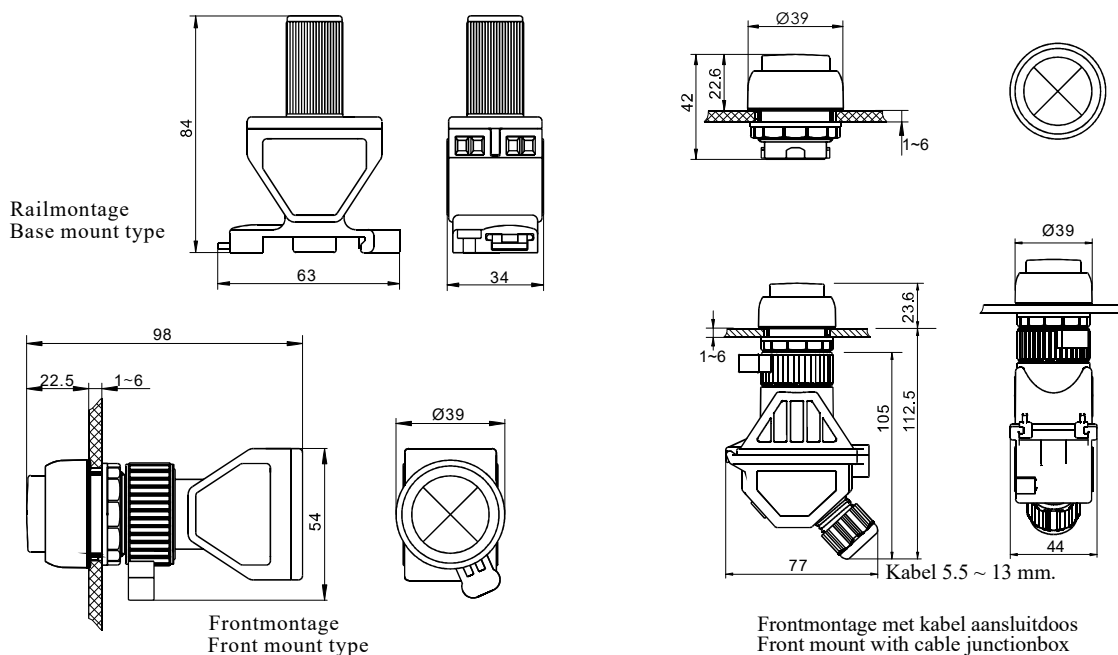
Ex mark: $\text{Ex II 2GD Ex e IIC Ex tD A21}$
 Can be used in zone 1, 2, 21 and 22
 Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 Degree of protection: IP66
 Material: Polyamide
 Meets the standards: IEC-EN 60079, IEC-EN61241

Type nummers Type numbers

	Spanning Voltage	Railmontage Base mount	Frontmontage Front mount	Frontmontage met kabel aansluitdoos Front mount with cable junctionbox
	1xNO 13 X2 20..250 V AC/DC E--- 14 X2	Z0212 - 64-1	Z0212 - 74-1	Z0212 - 94-1
	1xNC 11 X2 20..250 V AC/DC E--- 12 X2	Z0212 - 63-1	Z0212 - 73-1	Z0212 - 93-1
	1xNO 13 X2 10..28 V AC/DC E--- 14 X2	Z0212 - 64-0	Z0212 - 74-0	Z0212 - 94-0
	1xNC 11 X2 10..28 V AC/DC E--- 12 X2	Z0212 - 63-0	Z0212 - 73-0	Z0212 - 93-0
	● Rood Red ● Groen Green ● Geel Yellow ● Blauw Blue ○ Wit White	Z0212 DLR Z0212 DLG Z0212 DLY Z0212 DLB Z0212 DLW		

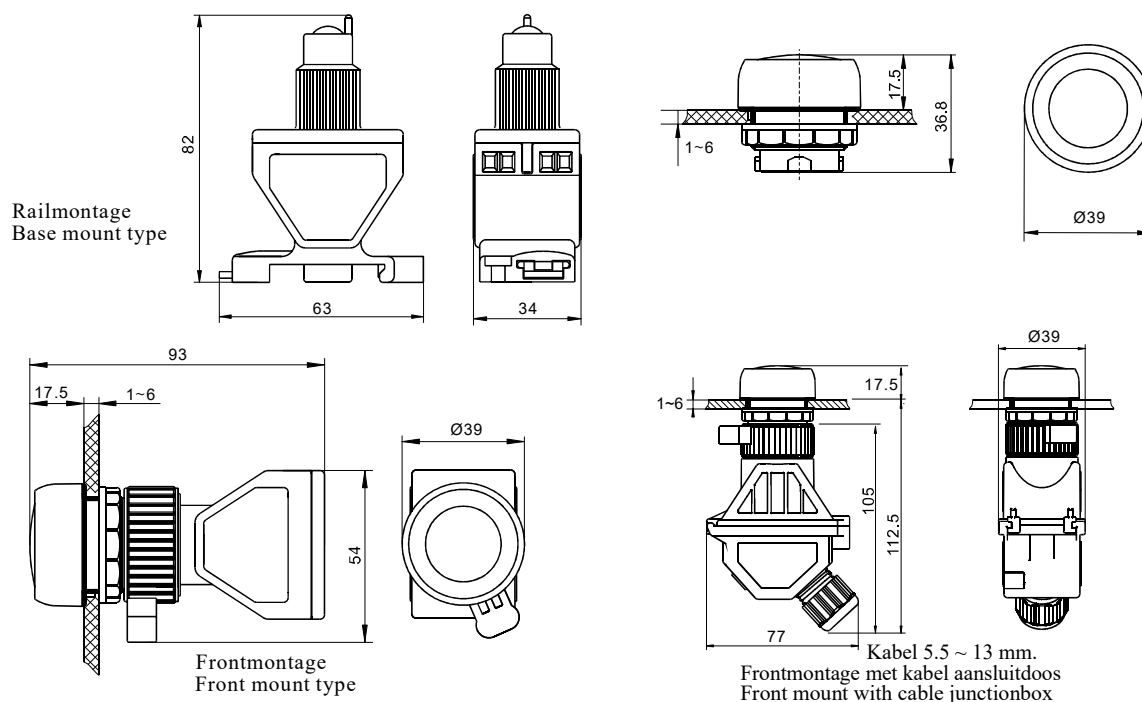
Afmetingen signaallamp

Dimensions pilot light



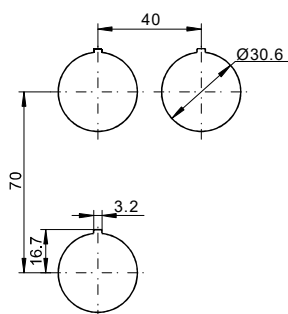
Afmetingen verlichte drukknop

Dimensions illuminated pushbutton



Montageafstanden

Mounting distances



Potentiometer element

Potentiometer module

Technische informatie:

Ex marking: II 2G Ex db eb IIC
 Geschikt voor zone 1 en zone 2
 Omgevingstemperatuur: $-55^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
 Beschermingsgraad: IP20/IP66
 Spanning / Vermogen: 200V / 1W
 Schaal: 0 ~ 100%
 Railmontage: DIN-EN montagerail TS35
 Frontmontage: met connectiemoer

Conform de standaards: IEC-EN60079

Technical data:

Ex mark: II 2G Ex db eb IIC
 Can be used in zone 1 and zone 2
 Ambient temperature: $-55^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
 Degree of protection: IP20/IP66
 Voltage / Power: 200V / 1W
 Scale: 0 ~ 100%
 Base mount type: DIN-EN mounting rail TS35
 Front mount type: with connection nut

Meets the standards: IEC-EN60079



Z0212 - 6



Z0212 - 7



Z0212 - 9

Knop potentiometer

Knob potentiometer

Technische informatie:

Ex marking: II 2GD Ex e IIC Ex tD A21
 Geschikt voor zone 1, 2, 21 en 22
 Omgevingstemperatuur: $-40^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$
 Beschermingsgraad: IP66
 Materiaal: Polyamide
 Conform de standaards: IEC-EN60079, IEC-EN61241

Technical data:

Ex mark: II 2GD Ex e II Ex tD A21
 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
 Material: Polyamide
 Meets the standards: IEC-EN60079, IEC-EN61241



Potentiometer

Potentiometer

Weerstand Resistance	Railmontage Base mount	Frontmontage Front mount	Frontmontage met kabel aansluitdoos Front mount with cable junctionbox
100 Ω	Z0203 - 601	Z0203 - 701	Z0203 - 901
200 Ω	Z0203 - 602	Z0203 - 702	Z0203 - 902
500 Ω	Z0203 - 603	Z0203 - 703	Z0203 - 903
1.000 Ω	Z0203 - 604	Z0203 - 704	Z0203 - 904
2.000 Ω	Z0203 - 605	Z0203 - 705	Z0203 - 905
5.000 Ω	Z0203 - 606	Z0203 - 706	Z0203 - 906
10.000 Ω	Z0203 - 607	Z0203 - 707	Z0203 - 907
100.000 Ω	Z0203 - 610	Z0203 - 710	Z0203 - 910

Ampère en Voltmeter meter

Ammeter and Volt meter

Technische informatie

Ex markering: II 2G Ex eb IIC Gb
 Geschikt voor zone 1 en zone 2
 Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Beschermingsgraad: IP20
 Elektromagnetische Ampèremeter en Voltmeter
 Nauwkeurigheidsklasse: 1,5
 Overload schaal: 2x (op aanvraag 5x)
 Railmontage: DIN-EN montage rail TS35
 Conform de standaards: IEC-EN60079



Main technical data:

Ex mark: II 2G Ex eb IIC
 Can be used in zone 1 and zone 2
 Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Degree of protection: IP20
 Electromagnetic Ammeter and Volt meter
 Accuracy class: 1.5
 Overload scale: 2 times (on request 5 times)
 Base mount type: DIN-EN rail TS35
 Meets the standards: IEC-EN60079

Venster

Cover

Ex markering: II 2GD Ex e II Ex tD A21
 Geschikt voor zone 1, 2, 21 en 22
 Omgevingstemperatuur: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Bescherming: IP66
 Materiaal: Polyamide
 Conform de standaards: IEC-EN60079, IEC-EN61241,



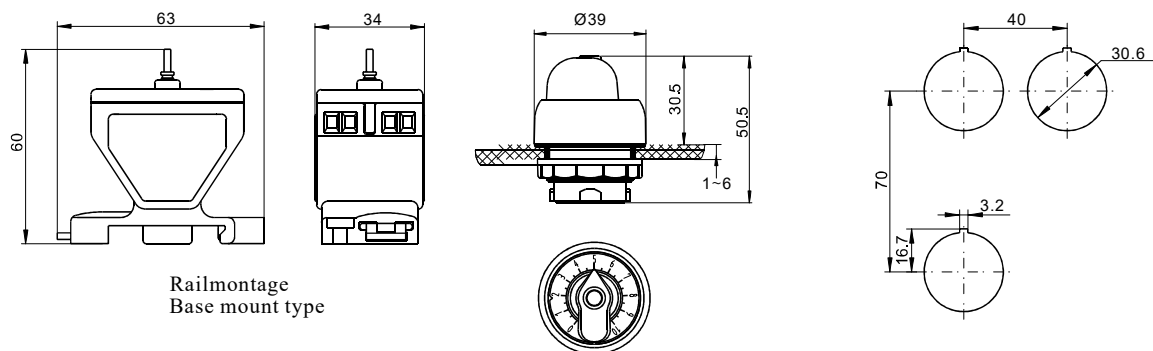
Ex mark: II 2GD Ex e II Ex tD A21
 Can be used in zone 1, 2, 21 and 22
 Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Degree of protection: IP66
 Material: Polyamide
 Meets the standard: IEC-EN60079, IEC-EN61241

Ampère- en Volt-meter module

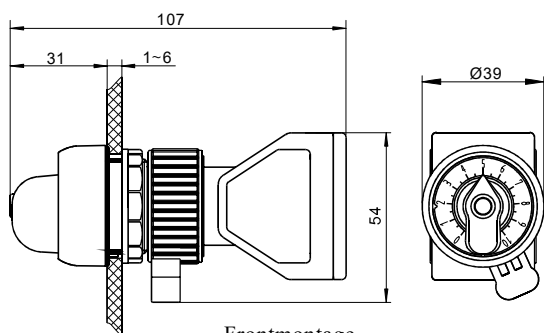
Ammeter and Voltmeter module

 Railmontage type Base mount type	Meetmethode Measuring way	Meetbereik Measuring range	 Railmontage Base mount	 Frontmontage Front mount
	Directe meting Direct measuring	4 - 20 mA 0 - 20 mA 0 - 1 / 2A 0 - 5 / 10A	Z0205 - 6 mA 11 Z0205 - 6 mA 12 Z0205 - 6 DA 02 Z0205 - 6 DA 05	Z0205 - 7 mA 11 Z0205 - 7 mA 12 Z0205 - 7 DA 02 Z0205 - 7 DA 05
 Frontmontage type Front mount type	Meting met stroomtrafo 5A Measuring with current transformer 5A	0 - 15 / 30A 0 - 25 / 50A 0 - 40 / 80A 0 - 50 / 100A 0 - 60 / 120A 0 - 75 / 150A 0 - 100 / 200A 0 - 150 / 300A 0 - 200 / 400A 0 - 250 / 500A 0 - 300 / 600A 0 - 400 / 800A 0 - 500 / 1000A 0 - 600 / 1200A	Z0205 - 6 WA 15 Z0205 - 6 WA 25 Z0205 - 6 WA 40 Z0205 - 6 WA 50 Z0205 - 6 WA 60 Z0205 - 6 WA 75 Z0205 - 6 WA 100 Z0205 - 6 WA 150 Z0205 - 6 WA 200 Z0205 - 6 WA 250 Z0205 - 6 WA 300 Z0205 - 6 WA 400 Z0205 - 6 WA 500 Z0205 - 6 WA 600	Z0205 - 7 WA 15 Z0205 - 7 WA 25 Z0205 - 7 WA 40 Z0205 - 7 WA 50 Z0205 - 7 WA 60 Z0205 - 7 WA 75 Z0205 - 7 WA 100 Z0205 - 7 WA 150 Z0205 - 7 WA 200 Z0205 - 7 WA 250 Z0205 - 7 WA 300 Z0205 - 7 WA 400 Z0205 - 7 WA 500 Z0205 - 7 WA 600
 Voltmeter		0 - 25 V 0 - 40 V 0 - 150 V 0 - 250 V 0 - 500 V	Z0205 - 6 V 25 Z0205 - 6 V 40 Z0205 - 6 V 150 Z0205 - 6 V 250 Z0205 - 6 V 500	Z0205 - 7 V 25 Z0205 - 7 V 40 Z0205 - 7 V 150 Z0205 - 7 V 250 Z0205 - 7 V 500

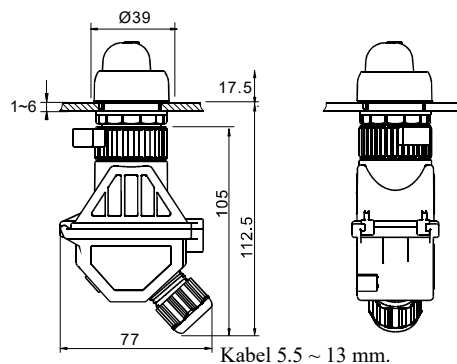
Afmetingen potentiometer Dimensions potentiometer



Railmontage
Base mount type

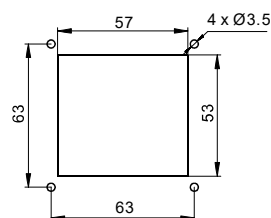
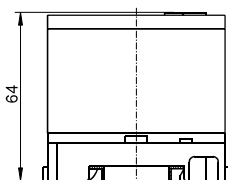
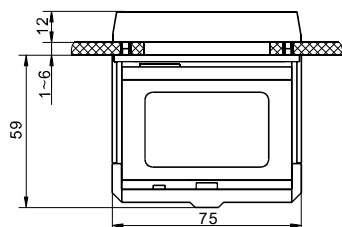


Frontmontage
Front mount type

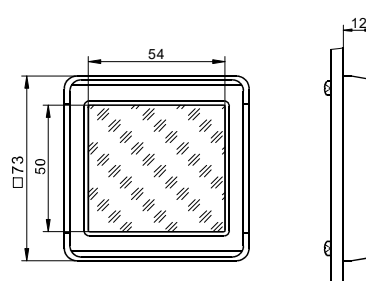
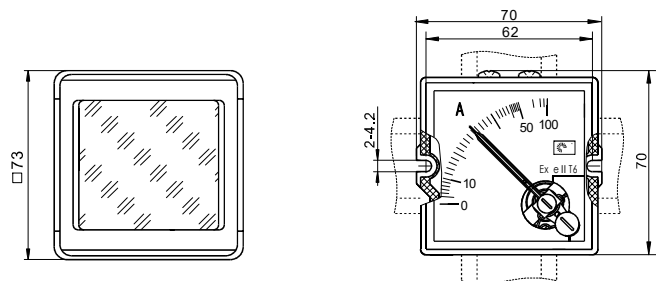


Frontmontage met kabel aansluitdoos
Front mount with cable junctionbox

Afmetingen Ampère- Volt-meter Dimensions Ammeter and Voltmeter



Uitsparing
Panel cut out



Technische informatie:

Ex marking: $\text{Ex II 2 G Ex eb ib mb IIC Gb}$

$\text{II 2 D Ex ib tb IIIC Db}$

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: $\text{Ex II 2 G Ex eb ib mb IIC Gb}$

$\text{II 2 D Ex ib tb IIIC Db}$

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

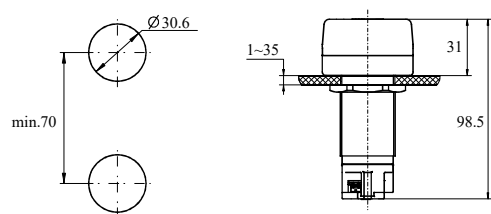
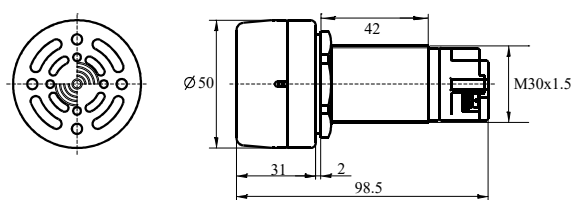
For mounting in Exe or Exd box

Meets the standards IEC-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

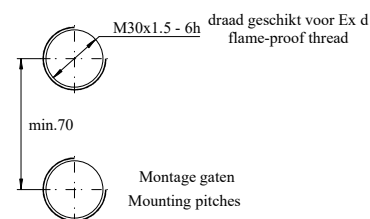
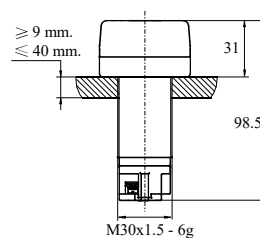
Afmetingen Dimensions

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



Montage gaten
Mounting pitches

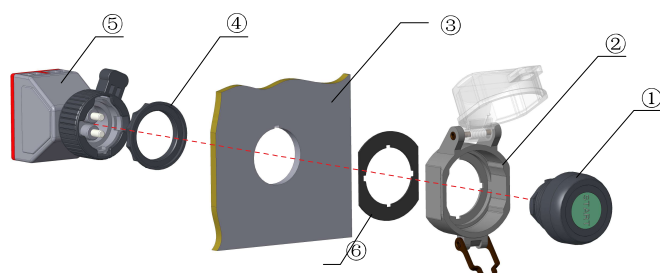
Installatie methode voor Ex d kasten Installation diagram for Ex d boxes



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

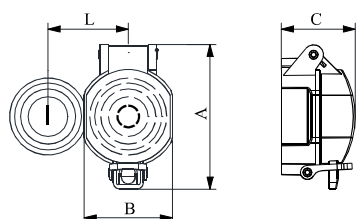
Afscherming

Safety latch



- | | |
|---------------------|------------------|
| ① Bedieningselement | Operation head |
| ② Beschermbeugel | Safety latch |
| ③ Paneel | Panel |
| ④ Moer | Locknut |
| ⑤ Frontmontage type | Front mount type |
| ⑥ Rubber ring | Seal washer |

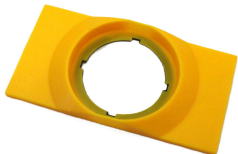
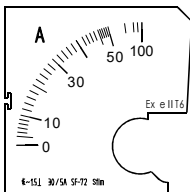
Afbeelding Illustration	Omschrijving Description	Type
	Bescherming geschikt voor drukknoppen, paddenstoel drukknoppen, noodstoppen en schakelaars type K Safety latch for pushbutton mushroom button, emergency button and switches type K	Z - 4019 / 1 - 7
	Bescherming geschikt voor drukknop P1 en schakelaars type K Safety latch for pushbutton mushroom button, emergency button and switches type K	Z - 4019 / 3 - 7
	Bescherming geschikt voor drukknoppen P1 continu bediend Safety latch for pushbutton P1 constant pressure type	Z - 4019 / 4 - 7
	Bescherming geschikt voor noodstopdrukknoppen type P3 en P6 Safety latch for emergency pushbutton P3 and P6	Z - 4019 / 2 - 7
	Bescherming geschikt voor dubbele drukknop type P2 Safety latch for double pushbutton type P2	Z - 4019 / 5
	Messing hangslot Brass padlock	Z - 4019 / 9



Afmetingen signaallamp

Dimensions pilot light

Type	A	B	C	L
4019/3-7	72	44	37	≥ 40
4019/1-7	70.2	58	50	≥ 50
4019/4-7	72	44	37	≥ 40
4019/2-7	82	44	45	≥ 40
4019/5	78.4	40.7	27	≥ 40

	Ophangbeugel in combinatie met M25 wartel. Pendant bracket in combination with M25 gland.	Z - 4009/25																		
	Sleutel voor vastzetten connectiemoer Socket spanner	Z - 4006																		
	Gele onderplaat rechthoekig 80 x 40 mm t.b.v. noodstopdrukknop. Underplate yellow 80 x 40 mm for emergency stop pushbutton.	Z - 4003/2																		
	Gele onderplaat Ø 55 mm t.b.v. noodstopdrukknop. Underplate yellow Ø 55 mm for emergency stop pushbutton.	Z - 4003/1																		
	Labelhouder Het label is niet inbegrepen. Label holder The insert label is not included.	Z - 4031/2																		
	Insert label t.b.v. 4031/2 Gravering label volgens uw specificatie. Insert label for 4031/2 Engraving label according to your specification.	Z - 4031/3																		
	<table> <tr> <td>0..... 1</td> <td>0.... 40</td> <td>0... 200</td> </tr> <tr> <td>0..... 2.5</td> <td>0.... 50</td> <td>0... 250</td> </tr> <tr> <td>0..... 5</td> <td>0.... 75</td> <td>0... 300</td> </tr> <tr> <td>0... 15</td> <td>0...100</td> <td>0... 400</td> </tr> <tr> <td>0... 25</td> <td>0...150</td> <td>0... 500</td> </tr> <tr> <td></td> <td></td> <td>0 .. 100%</td> </tr> </table>	0..... 1	0.... 40	0... 200	0..... 2.5	0.... 50	0... 250	0..... 5	0.... 75	0... 300	0... 15	0...100	0... 400	0... 25	0...150	0... 500			0 .. 100%	Z- 0205-  Schaal Scale
0..... 1	0.... 40	0... 200																		
0..... 2.5	0.... 50	0... 250																		
0..... 5	0.... 75	0... 300																		
0... 15	0...100	0... 400																		
0... 25	0...150	0... 500																		
		0 .. 100%																		
	Blindplug Ø 30 mm voor het afblinden van niet gebruikte gaten op het frontpaneel. Blind plug Ø 30 mm for covering unused apertures on the front panel.	Z0201 - B1																		