



# Capítulo 9

## Dimensiones

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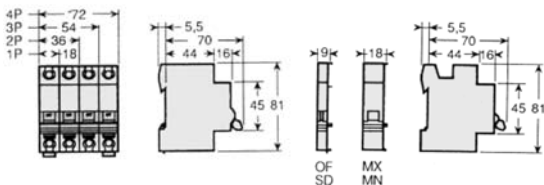
|           |                                        |                |
|-----------|----------------------------------------|----------------|
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## 1 Sistema Multi 9

### Interruptores automáticos P60/C60

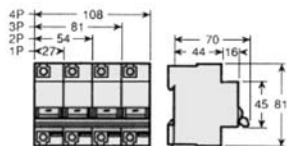
C60N/H/L

Auxiliares comunes C60/C120/ID



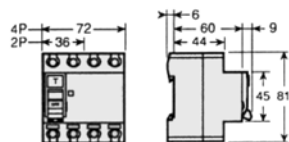
### Interruptores automáticos C120

C120N/H



### Interruptores de protección diferencial

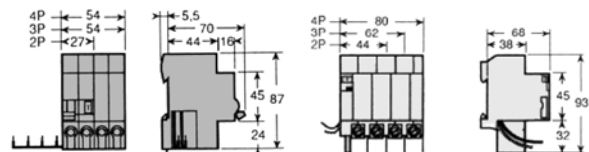
Interruptores diferenciales ID - IDsi



### Módulos de protección diferencial

Módulo Vigi C60 - 25A

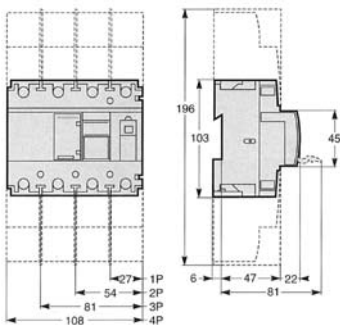
Módulo Vigi C120



## Interruptores automáticos NG125

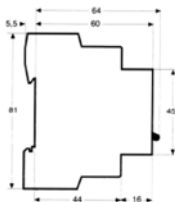
NG125N/H/L

Auxiliares



## Telerruptores TL y TLI

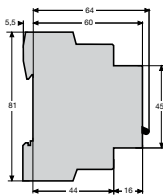
Perfil



Frente



## Auxiliares adaptables ATLc



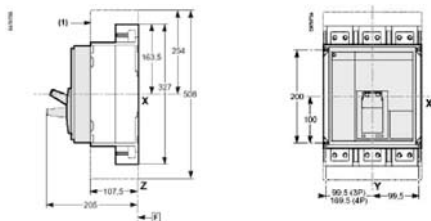
ATLc+c, ATLc+s,  
ATLt, ATLz

ATL4

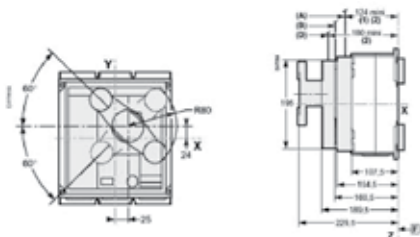


## Compact NS630b a 1600 fijo - mando manual

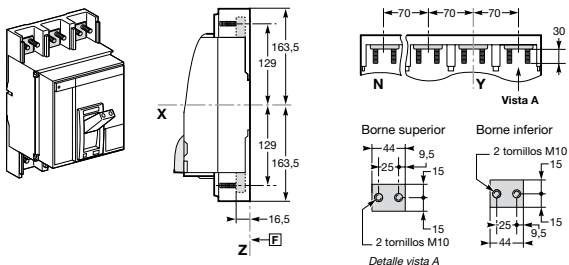
fi jo - conexión frontal



fi jo - mando rotatorio

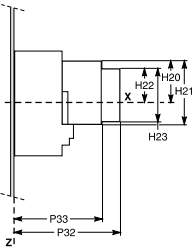


## Conexiones frontales NS630b a 1600 fijo

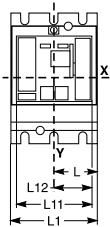


Mando eléctrico para Compact NS100 a 630

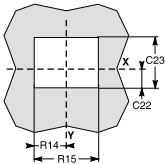
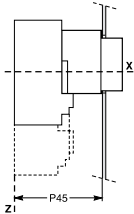
Perfil



Frente  
3 polos



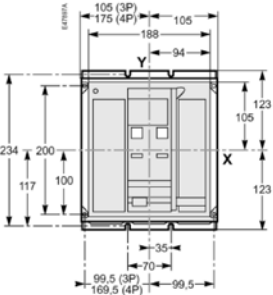
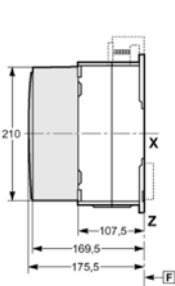
cortes cara frontal  
Con marcos IP 40.5 y caja de mando para Vigi



| tipo                     | C22  | C23 | H20  | H21 | H22  | H23 |
|--------------------------|------|-----|------|-----|------|-----|
| NR/NS100/160/250N/SX/H/L | 29   | 76  | 62,5 | 97  | 45,5 | 73  |
| NR/NS400/630N/H/L        | 41,5 | 126 | 100  | 152 | 83   | 123 |

| tipo                     | P32 | P33 | P45 | R14  | R15 |
|--------------------------|-----|-----|-----|------|-----|
| NR/NS100/160/250N/SX/H/L | 178 | 143 | 145 | 48,5 | 97  |
| NR/NS400/630N/H/L        | 250 | 215 | 217 | 64,5 | 129 |

NS630b a 1600 fijo - mando motorizado

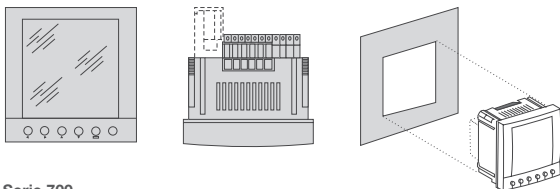




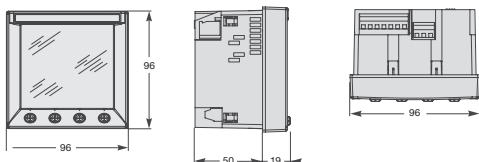
## 3 PowerLogic

### Power Meter

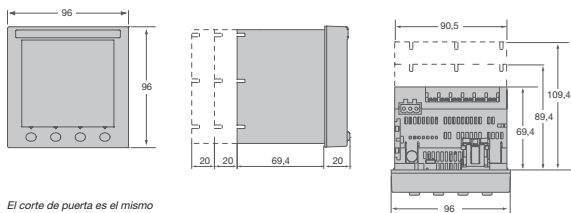
#### Serie 500



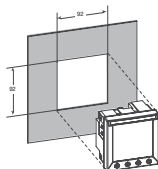
#### Serie 700



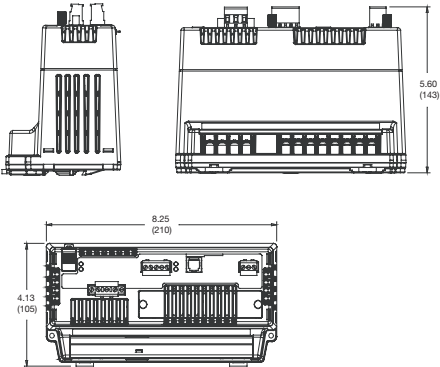
#### Serie 800



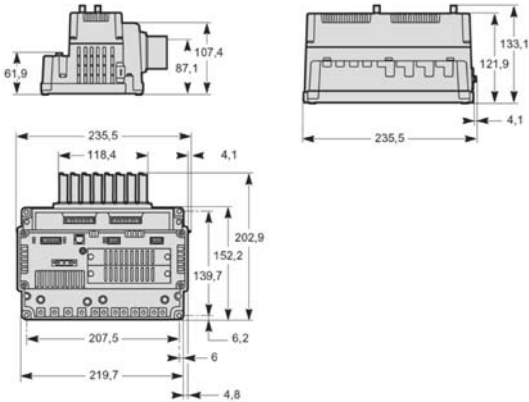
*El corte de puerta es el mismo para la serie 500, 700 y 800*



CM3000



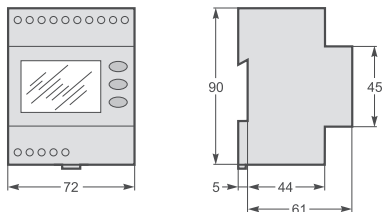
CM4000



CMDLC/CMDVF



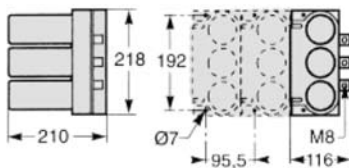
## Serie PM9



## 4 Condensadores Varplus

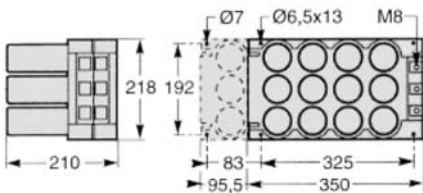
### Varplus M1

Perfil y frente



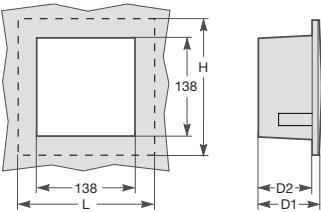
### Varplus M4

Perfil y frente



## 5 Reguladores y contactores Varlogic

### Varlogic



Varlogic NR6, NR12, NRC12

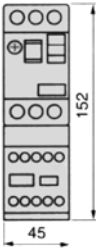
| Varlogic N        | Dimensiones (mm) |     |    |    | Peso (kg) |
|-------------------|------------------|-----|----|----|-----------|
|                   | H                | L   | D1 | D2 |           |
| Varlogic NR6/NR12 | 150              | 150 | 70 | 60 | 1         |
| Varlogic NRC12    | 150              | 150 | 80 | 70 | 1         |

## 6 Guardamotores GV2, GV3, GK3

### GV2-ME..K1..

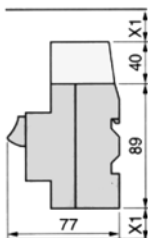
Perfil

Frente

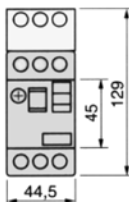


## GV2-ME + GV1-L3

Perfil

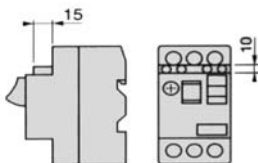
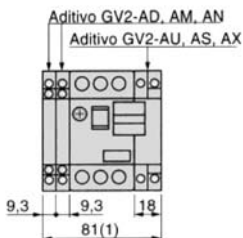


Frente



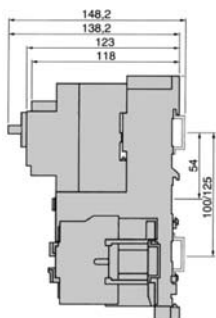
## GV2-ME y GV2-AX

Perfil y frente

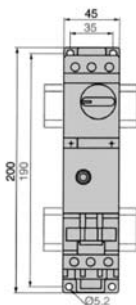


## GV2-P..D1..

Perfil

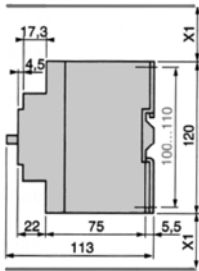


Frente

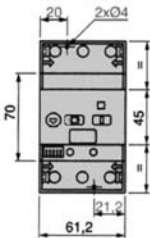


GV3-ME

Perfil

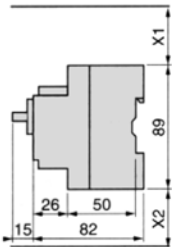


Frente

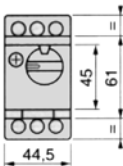


GV2-P

Perfil

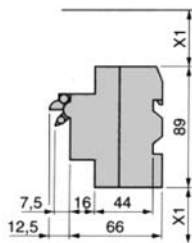


Frente

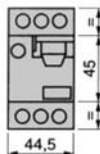


## GV2-LE

Perfil

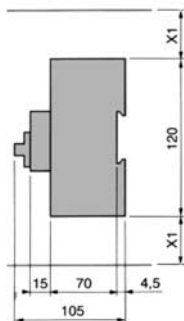


Frente

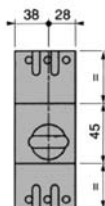


## GK3-EF

Perfil

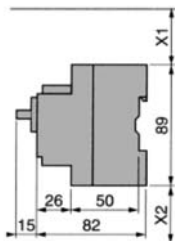


Frente

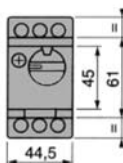


## GV2-L

Perfil



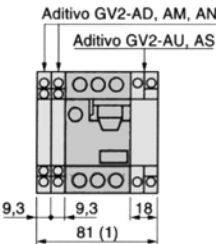
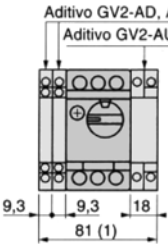
Frente



GV2-L y LE con aditivos

GV2-L

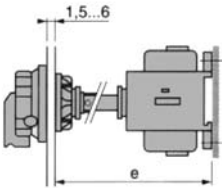
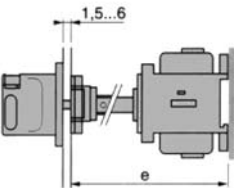
GV2-LE



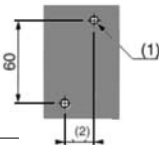
7 Interruptores tripolares Vario

VZ-17 y VZ30

Perfiles



Fijación



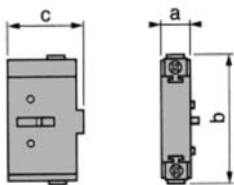
|           | (e)       |
|-----------|-----------|
|           | mm        |
| V02 y V01 | 300...330 |
| V0 a V2   | 400...430 |
| V3 y V4   | 300...320 |
|           | 400...420 |
| V5 y V6   | 330...350 |
|           | 430...450 |

|     |           |                |
|-----|-----------|----------------|
| (1) | 2 x Ø 4,2 | : V0., V0 a V2 |
|     | 2 x Ø 5   | : V3, V4       |
| (2) | 15        | : V0., V0 a V2 |
|     | 20        | : V3, V4       |



## VZ-02 a VZ-4 y VZ-11 a VZ-16

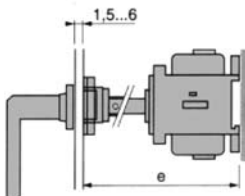
Perfil y frente



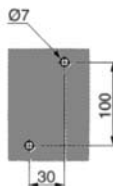
|                                          | a  | b   | c  |
|------------------------------------------|----|-----|----|
| VZ-02 y VZ-01, VZ-0 a VZ-2, VZ-11, VZ-14 | 16 | 74  | 35 |
| VZ-3, VZ-4, VZ-12, VZ-15                 | 20 | 83  | 46 |
| VZ-13, VZ-16                             | 30 | 125 | 63 |

## VZ-18 y VZ-31

Perfil



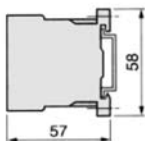
Frente



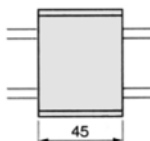
## 8 Minicontactores Serie K

### LC1-K (sobre perfil)

Perfil



Frente



## 9 Contactores D y F

### Contactores TeSys contactores modelo d

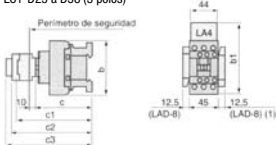
Circuito de control en corriente alterna

Dimensiones

LC1-D09 a D18 (3 polos)



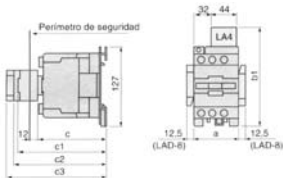
LC1-D25 a D38 (3 polos)



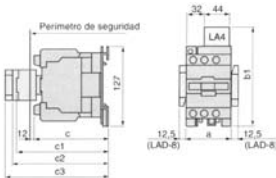
| LC1-                          | D09...D18 | D093...D183 | D099...D189 | D25...D38 | D253...D383 |
|-------------------------------|-----------|-------------|-------------|-----------|-------------|
| b sin accesorio               | 77        | 99          | 80          | 85        | 99          |
| b1 con LAD-4BB                | 94        | 107         | 95 5        | 98        | 107         |
| con LA4-D•2                   | 110 (2)   | 123 (2)     | 111,5 (2)   | 114 (2)   | 123 (2)     |
| con LA4-DF, DT                | 119 (2)   | 132 (2)     | 120,5 (2)   | 123 (2)   | 132 (2)     |
| con LA4-DR, DW, DL            | 126 (2)   | 139 (2)     | 127,5 (2)   | 130 (2)   | 139 (2)     |
| c sin protector ni accesorio  | 84        | 84          | 84          | 90        | 90          |
| con protector, sin accesorio  | 86        | 86          | 86          | 92        | 92          |
| c1 c/LAD-N o C (2 o 4 cont.)  | 117       | 117         | 1 17        | 123       | 123         |
| c2 con LA6-DK10, LAD-6K10     | 129       | 129         | 129         | 135       | 135         |
| c3 con LAD-T, R, S            | 137       | 137         | 137         | 143       | 143         |
| c/LAD-T, R, S y tapa de prot. | 141       | 141         | 141         | 147       | 147         |

(1) LC1 -D09 a D38 tripolares: montaje a la izquierda únicamente (2) LAD-4BB incluidas

LC1-D40 a D65 (3 polos)



LC1-D80 y D95 (3 polos)



| LC1-                              | D40...D65 | D80 | D95 |
|-----------------------------------|-----------|-----|-----|
| a                                 | 75        | 85  | 85  |
| b1 con LA4-D•2                    | 135       | 135 | 135 |
| con LA4-DB3                       | -         | 135 | -   |
| con LA4-DF DT                     | 142       | 142 | 142 |
| con LA4-DM, DR, DW, DL            | 150       | 150 | 150 |
| c sin protector ni accesorio      | 114       | 125 | 125 |
| con protector, sin accesorio      | 119       | 130 | 130 |
| c1 con LAD-N (1 contacto)         | 139       | 150 | 150 |
| con LAD-N o C (2 o 4 contactos)   | 147       | 158 | 158 |
| c2 con LA6-DK                     | 159       | 170 | 170 |
| c3 con LAD-T R S                  | 167       | 178 | 178 |
| con LAD-T, R, S y tapa de protec. | 171       | 182 | 182 |

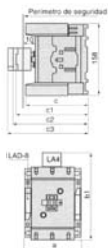
LC1 -D115 y D150 (3 polos)

LC1-D115004 (4polos)

## Contactores TeSys contactores modelo d

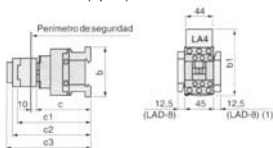
Circuito de control en corriente alterna  
Dimensiones

| LC1-                               | D115<br>D150 |
|------------------------------------|--------------|
| a                                  | 120          |
| b1 con LA4-DA2                     | 174          |
| con LA4-DF, DT                     | 185          |
| con LA4-DM, DR, DL                 | 188          |
| c sin protector ni accesorio       | 132          |
| con protector, sin accesorio       | 136          |
| c1 con LAD-N o C (2 o 4 contactos) | 150          |
| c2 con LA6-DK20                    | 155          |
| c3 con LAD-T, R, S                 | 168          |
| con LAD-T, R, S y tapa de protec.  | 172          |

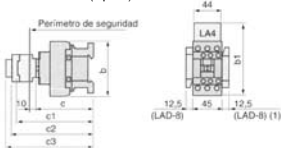


Circuito de control en corriente continua o de bajo consumo  
Dimensiones

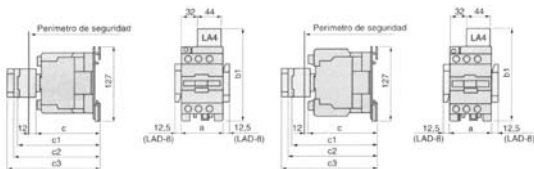
LC1-D09...D18 (3 polos)



LC1-D25...D38 (3 polos)



| LC1 -                              | D09...D18 | D093...D183 | D25...D38 | D253...D383 |
|------------------------------------|-----------|-------------|-----------|-------------|
| b                                  | 77        | 99          | 85        | 99          |
| c sin protector ni accesorio       | 93        | 93          | 99        | 99          |
| con protector, sin accesorio       | 95        | 95          | 101       | 101         |
| c1 con LAD-N o C (2 o 4 contactos) | 126       | 126         | 132       | 132         |
| c2 con LA6-DK10                    | 138       | 138         | 144       | 144         |
| c3 con LAD-T, R, S                 | 146       | 146         | 152       | 152         |
| con LAD-T, R, S y tapa de protec.  | 150       | 150         | 156       | 156         |

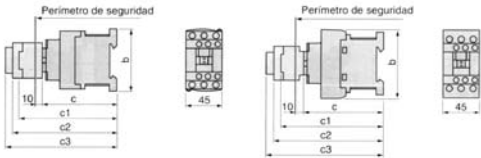


# Contadores TeSys contactores modelo d

Circuito de control en corriente continua o de bajo consumo  
Dimensiones

LC1-D40 a D65 (3 polos)

LC1-D80 y D95 (3 polos)



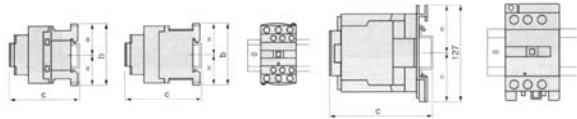
|                                   | LC1-D40...D65 | D80 y D95 |
|-----------------------------------|---------------|-----------|
| c sin protector ni accesorio      | 171           | 181       |
| con protector, sin accesorio      | 176           | 186       |
| c1 con LAD-N (1 contacto)         | 196           | 204       |
| con LAD-N o C (204 contactos)     | 202           | 210       |
| c2 con LA6-DK10                   | 213           | 221       |
| c3 con LAD-T, R, S                | 221           | 229       |
| con LAD-T, R, S y tapa de protec. | 225           | 233       |

## Montaje

Sobre perfil AM1-DP200, DR200 ó AM1-DE200  
(anchura 35 mm)  
LC1-D09 a D38

LP1-D12 y D25

Sobre perfil AM1-DL200 ó DL201 (anchura 75 mm)  
Sobre perfil AM1-ED... ó AM1-DE200 (anchura 35 mm)  
LC1-D40 a D95



Circuito de control en corriente alterna

| LC1-                      | D09 a D18 | D25 a D38 |
|---------------------------|-----------|-----------|
| b                         | 77        | 85        |
| c (AM1-DP200 c DR200) (1) | 88        | 94        |
| c (AM1-DE200) (1)         | 96        | 102       |

Circuito de control en corriente alterna

| LC1-                      | D40 a D65 | D80 y D95 |
|---------------------------|-----------|-----------|
| c (AM1-DL200) (1)         | 136       | 147       |
| c (AM1-DL201) (1)         | 126       | 137       |
| c (AM1-ED... ó DE200) (1) | 126       | 137       |

Circuito de control en corriente continua

| LC1-                      | D09 a D18 | D25 a D38 |
|---------------------------|-----------|-----------|
| b                         | 77        | 85        |
| c (AM1-DP200 ó DR200) (1) | 97        | 103       |
| c (AM1-DE200) (1)         | 105       | 110       |

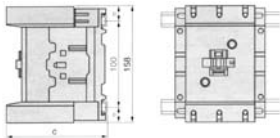
Circuito de control en corriente continua

| LC1-              | D40 a D65 | D80 y D95 |
|-------------------|-----------|-----------|
| c (AM1-DL200) (1) | 193       | 203       |
| c (AM1-DL201) (1) | 183       | 203       |

# Contadores TeSys contactores modelo d

## Montaje

LC1 -D115, D150

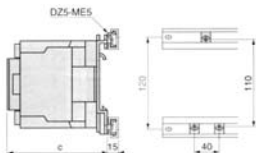
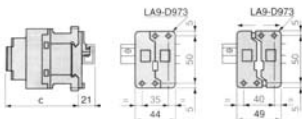


Circuito de control en corriente alterna o continua

| LC1 -                  | D115 y D150 | D1156 y D1506 |
|------------------------|-------------|---------------|
| c (AM1-DP200 ou DR200) | 134,5       | 117,5         |
| c (AM1-DP200 ou ED●●)  | 142,5       | 125,5         |

Sobre 1 perfil DZ5-MB y placa enganchable LA9-D973

Sobre 2 perfiles DZ5-MB a 120 mm de entrejeje  
LC1-D40 a D95



Circuito de control en corriente alterna

| LC1 -           | D40 a D65 | D80 y D95 |
|-----------------|-----------|-----------|
| c con protector | 119       | 130       |

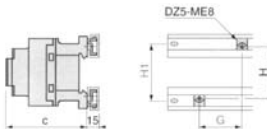
Circuito de control en corriente continua

| LC1-            | D40 a D65 | D80 y D95 |
|-----------------|-----------|-----------|
| c con protector | 176       | 186       |

LC1-D09 a D38 (4P)

Sobre 2 perfiles DZ5-MB a 120 mm de entre eje

Sobre 2 perfiles DZ5-MB



Contadores tetrapolares

c

|   | LC1-D12 | LC1-D25 |
|---|---------|---------|
| a | 45      | 57      |
| c | 90      | 93      |

Circuito de control: en corriente alterna en corriente continua

| LC1-       | D09 a D18 | D25 a D38 | D09 a D18 | D25 a D38 |
|------------|-----------|-----------|-----------|-----------|
| c con tapa | 86        | 92        | 95        | 101       |
| G          | 35        | 35        | 35        | 35        |
| H          | 60        | 60        | 60        | 60        |
| H1         | 70        | 70        | 70        | 70        |

Contadores tetrapolares

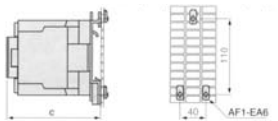
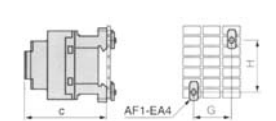
|    | LC1-D12 | LC1-D25 |
|----|---------|---------|
| 80 | 93      | 115     |
| G  | 35      | 40/50   |
| H  | 50      | 50      |
| H1 | 60      | 60      |

# Contactores TeSys contactores modelo d

## Circuito de control en corriente continua o de bajo consumo Dimensiones

LC1-D09 a D38  
Sobre placa perforada AM1-PA, PB, PC

LC1-D40 a D95  
Sobre placa perforada AM1-PA, PB, PC



|          | Circ. de control: en corr. alterna |           | en corr. cont. |           |
|----------|------------------------------------|-----------|----------------|-----------|
| LC1-     | D09 a D18                          | D25 a D38 | D09 a D18      | D25 a D38 |
| c c/tapa | 86                                 | 92        | 95             | 101       |
| G        | 35                                 | 35        | 35             | 35        |
| H        | 60                                 | 60        | 60             | 60        |

|          | Circ. de control: en corr. alterna |           | en corr. cont. |           |
|----------|------------------------------------|-----------|----------------|-----------|
| LC1-     | D40 a D65                          | D80 y D95 | D40 a D65      | D80 y D95 |
| c c/tapa | 119                                | 130       | 176            | 186       |

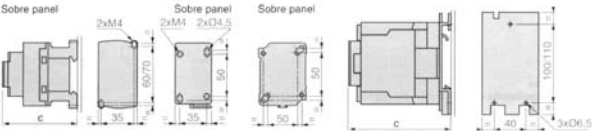
| Contactores tetrapolares |         | LC1-    |
|--------------------------|---------|---------|
|                          | LC1-D12 | LC1-D25 |
| c                        | 80      | 93      |
| G                        | 35      | 40/50   |
| H                        | 50      | 50      |

LC1-D09 a D38  
Sobre panel

LC1 ó  
Sobre panel

LC1  
Sobre panel

LC1-D40 a D95

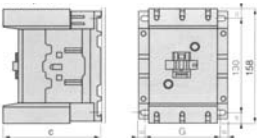


|          | Circuito de control: en corr. alterna |           | en corr. cont. |           |
|----------|---------------------------------------|-----------|----------------|-----------|
| LC1-     | D09 a D18                             | D25 a D38 | D09 a D18      | D25 a D38 |
| c c/tapa | 86                                    | 92        | 95             | 101       |

|          | Circuito de control: en cor. alterna |           | en cor. cont. |           |
|----------|--------------------------------------|-----------|---------------|-----------|
| LC1-     | D40 a D65                            | D80 y D95 | D40 a D65     | D80 y D95 |
| c c/tapa | 119                                  | 130       | 176           | 186       |

| Contactores tetrapolares |         |
|--------------------------|---------|
| c c/tapa                 |         |
| LC1-D12                  | LC1-D25 |
| c                        | 80 93 1 |

LC1 -D115, D150  
Sobre panel



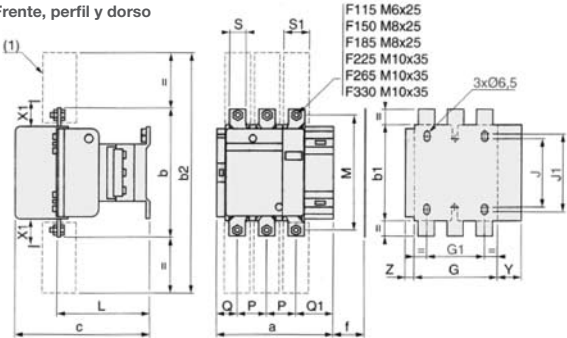
| LC1-        | D115   | D150   |
|-------------|--------|--------|
| c           | 132    | 132    |
| G (3 polos) | 96/110 | 96/110 |



# Contadores TeSys contactores modelo F

## LC1-F 115 a 330

Frete, perfil y dorso



X1 = Perímetro de seguridad según la tensión de utilización y el poder de corte

| LC1-F                   | 200...500V | 600...1000V |
|-------------------------|------------|-------------|
| 115, 150 <sup>(2)</sup> | 10         | 15          |
| 185                     | 10         | 15          |
| 225, 265                | 10         | 15          |
| 330                     | 10         | 15          |

(1) Capot de protección

(2) Sustituidos por LC1D115 / 150

|    | F115  |       | F150  |       | F185  |       | F225  |       | F265  |       | F330  |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|    | 3p    | 4p    | 3p    | 4p    | 3p    | 4p    | 3p    | 4p    | 3p    | 4p    | 3p    | 4p    |
| a  | 163,5 | 200,5 | 163,5 | 200,5 | 168,5 | 208,5 | 168,5 | 208,5 | 201,5 | 244,5 | 213   | 261   |
| b  | 162   | 162   | 170   | 170   | 174   | 174   | 197   | 197   | 203   | 203   | 206   | 206   |
| b1 | 137   | 137   | 137   | 137   | 137   | 137   | 137   | 137   | 145   | 145   | 145   | 145   |
| b2 | 265   | 265   | 301   | 301   | 305   | 305   | 364   | 364   | 375   | 375   | 375   | 375   |
| c  | 171   | 171   | 171   | 171   | 181   | 181   | 181   | 181   | 213   | 213   | 219   | 219   |
| f  | 131   | 131   | 131   | 131   | 130   | 130   | 130   | 130   | 147   | 147   | 147   | 147   |
| G  | 106   | 143   | 106   | 143   | 111   | 151   | 111   | 151   | 142   | 190   | 154,5 | 202,5 |
| G1 | 80    | 80    | 80    | 80    | 80    | 80    | 80    | 80    | 96    | 96    | 96    | 96    |
| J  | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   |
| J1 | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   | 120   |
| L  | 107   | 107   | 107   | 107   | 113,5 | 113,5 | 113,5 | 113,5 | 141   | 141   | 145   | 145   |
| M  | 147   | 147   | 150   | 150   | 154   | 154   | 172   | 172   | 178   | 178   | 181   | 181   |
| P  | 37    | 37    | 40    | 40    | 40    | 40    | 48    | 48    | 48    | 48    | 48    | 48    |
| Q  | 29,5  | 29,5  | 26    | 26    | 29    | 29    | 21    | 17    | 39    | 34    | 43    | 43    |
| Q1 | 60    | 60    | 57,5  | 55,5  | 59,5  | 59,5  | 51,5  | 47,5  | 66,5  | 66,5  | 74    | 74    |
| S  | 20    | 20    | 20    | 20    | 20    | 20    | 25    | 25    | 25    | 25    | 25    | 25    |
| S1 | 26    | 26    | 34    | 34    | 34    | 34    | 44,5  | 44,5  | 44,5  | 44,5  | 44,5  | 44,5  |
| Y  | 44    | 44    | 44    | 44    | 44    | 44    | 44    | 44    | 38    | 38    | 38    | 38    |
| Z  | 13,5  | 13,5  | 13,5  | 13,5  | 13,5  | 13,5  | 13,5  | 13,5  | 21,5  | 21,5  | 20,5  | 20,5  |

f: Distancia mínima de fijación para la extracción de la bobina

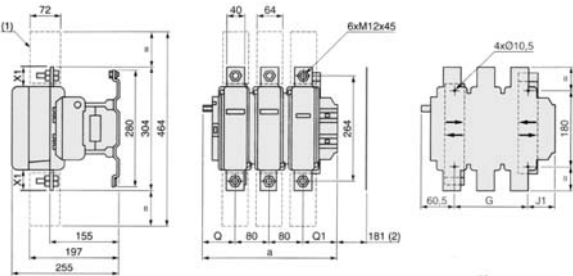




# Contadores TeSys contactores modelo F

## LC1-F630

Frente, perfil y dorso



X1 = Perímetro de seguridad según la tensión de utilización y el poder de corte.

|         |            |             |
|---------|------------|-------------|
| Tensión | 200...500V | 600...1000V |
| X1      | 20         | 30          |

(1) Capot de protección

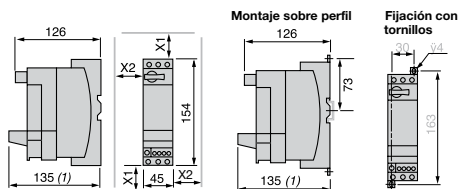
|     |      |      |      |
|-----|------|------|------|
|     | F630 |      |      |
|     | 2p   | 3p   | 4p   |
| a   | 309  | 309  | 389  |
| G   | 180  | 180  | 240  |
| G - | 100  | 100  | 150  |
| G + | 195  | 195  | 275  |
| J1  | 68.5 | 68.5 | 68.5 |
| Q   | 102  | 60   | 60   |
| Q1  | 127  | 89   | 89   |

(2): Distancia mínima de fijación para la extracción de la bobina

# 10 Arrancadores Inteligentes Tesy model U

## Arrancadores controladores

### 1 sentido de marcha

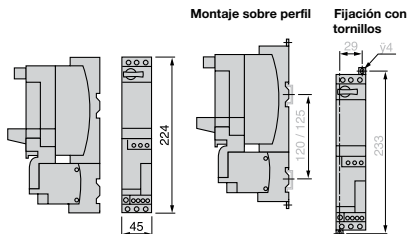


Perímetro de seguridad:

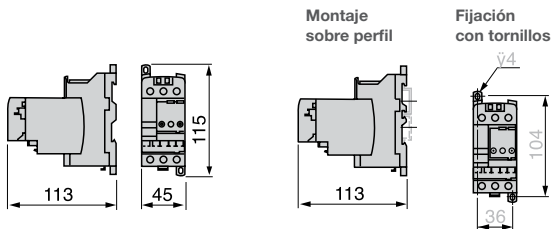
X1 = 35 mm para Ue = 440 V y 50 mm para Ue = 690 V, X2 = 0

(1) Profundidad máxima (con módulo de comunicación Modbus).

### 2 sentidos de marcha

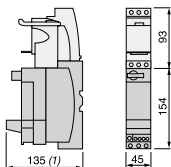


## Bloque inversor para montaje separado de la base

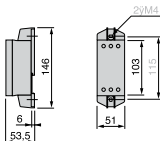


## Limitador seccionador

Limitador seccionador LUA LB1  
Seccionador LUA LB10

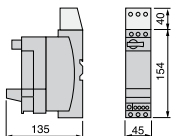


Limitador LA9 LB920



(1)Profundidad máxima (con módulo de comunicación Modbus).

Limitador GV1 L3

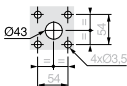
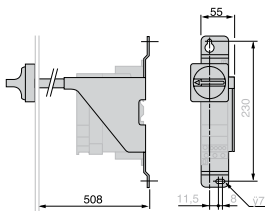


(1)Profundidad máxima (con módulo de comunicación Modbus).

## Mandos a distancia

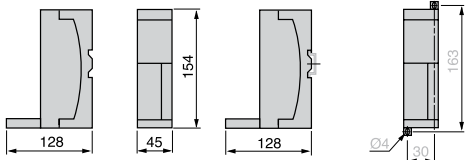
LU9 AP00

Taladrado de la puerta



## Repartidores

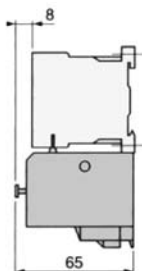
Repartidor Modbus LU9 CG3  
Repartidor LAU9 G02



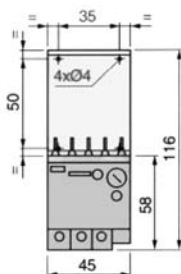
# 11 Relés térmicos Tesys modelo K

## LR2-K

Perfil

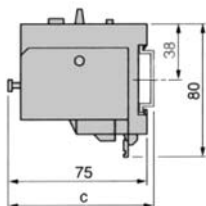


Frente

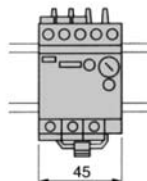


## LR2-K Montaje con bornes

Perfil



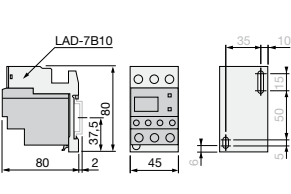
Frente



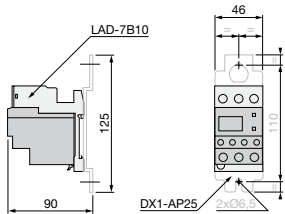
# 12 Relés térmicos Tesys modelo D

## LRD-01 a 35

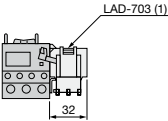
Montaje separado a 50 mm  
del entrejeje  
o sobre perfil AM1-DP200 o DE200



Montaje separado a 110 mm  
del entrejeje



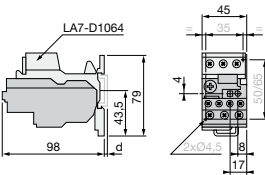
Disparo o rearme eléctrico a distancia



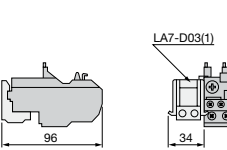
(1) Montaje únicamente a la derecha del relé LRD-01 a 35

## LRD15●●

Montaje separado a 50 mm  
del entrejeje  
o sobre perfil AM1-DP200 o DE200



Disparo o rearme eléctrico a distancia



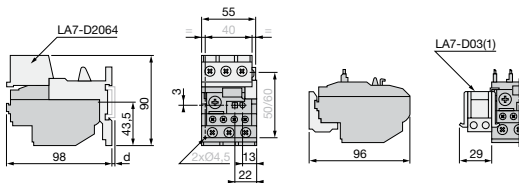
|   | AM1-DP200 | AM1-DE200 |
|---|-----------|-----------|
| d | 2         | 9,5       |

(1) Posibilidad de montaje a derecha o izquierda del relé LR2-D15●●

## LRD25●●

Montaje separado a 50 mm  
del entreeje  
o sobre perfil AM1-DP200 o DE200

Disparo o rearme eléctrico a  
distancia



AM1-DP200 AM1-DE200

|   |   |     |
|---|---|-----|
| d | 2 | 9,5 |
|---|---|-----|

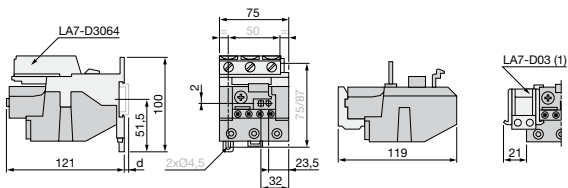
(1) Posibilidad de montaje a derecha o izquierda del relé LR2-D25●●

## LRD-3●●● y LR-D35●●

Montaje separado a 50 mm  
del entreeje  
o sobre perfil AM1-DP200 o DE200

## LRD-3●●●, LR-D35●● y LR9-D

Disparo o rearme eléctrico a  
distancia



AM1-DP200 AM1-DE200

|   |   |     |
|---|---|-----|
| d | 2 | 9,5 |
|---|---|-----|

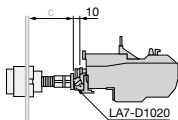
(1) Posibilidad de montaje a derecha o  
izquierda del LRD-3●●●, LR2-D35●●  
o LR9-D

## LR-D y LRD-3●●●

Adaptador para mando sobre  
puerta LA7-D1020

Parada

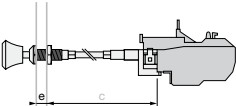
Rearme



c: ajustable de 17 a 120 mm

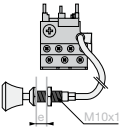
LRD y LR9-D

Rearme” por cable flexible  
LA7-D305 y LAD-7305  
Montaje con cable tendido



c: hasta 550 mm  
e: hasta 20 mm

Montaje con cable en curva

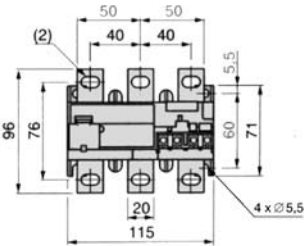


e: hasta 20 mm

13 Relés térmicos Tesys modelo F

LR9-F5377, F5363, F5369

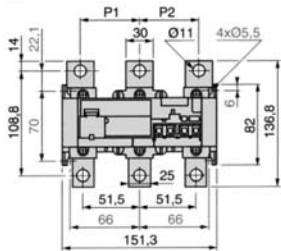
Frente



(2) 8,5 x 13,5

LR9-F7375, F7379, F7381

Frente

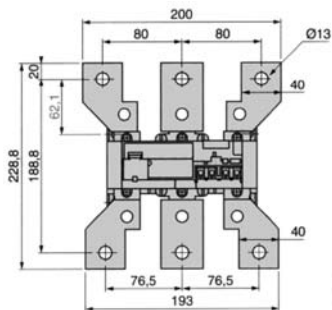


|                  | P1 | P2 |
|------------------|----|----|
| LR9-F7375        | 48 | 48 |
| LR9-F7379, F7381 | 55 | 55 |



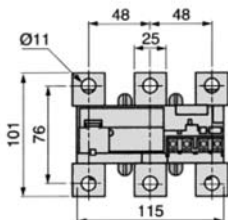
## LR9-F7381 (para ser montado debajo de LC1-F630)

Frente

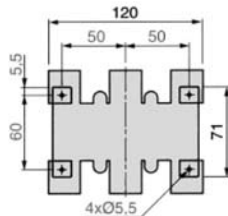


## LR9-F5371

Frente

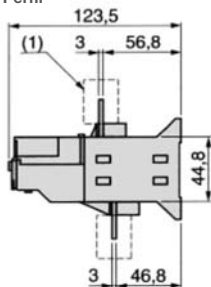


Dorso

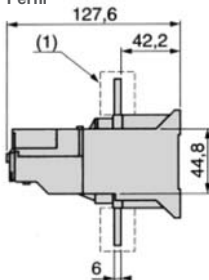


## LR9-F

Perfil



Perfil



(1) Capot de protección

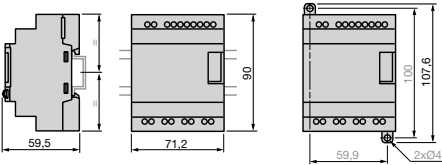
# 14 Relés inteligente Zelio Logic

## Relés programables compactos y modulares

SR2 A101BD, SR2 D101FU, SR3 B101BD y SR3 B101FU (10 I/O)  
SR2 B121JD, SR2 B12pBD, SR2 B121B, SR2 A101FU, SR2 B121FU, SR2 D101BD, SR2 E121BD, SR2 E121B, SR2 E121FU (12 I/O)

Montaje sobre riel DIN 35 mm

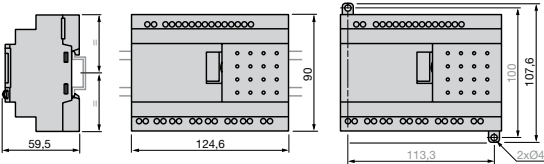
Fijación por tornillos (patas retráctiles)



SR2 B201JD, SR2 A201BD, SR2 B20●BD, SR2 B201B, SR2 A201FU, SR2 B201FU, SR2 D201BD, SR2 E201BD, SR2 E201B, SR2 D201FU y SR2 E201FU (20 I/O)  
SR3 B26●BD y SR3 B261FU (26 I/O)

Montaje sobre riel DIN 35 mm

Fijación por tornillos (patas retráctiles)

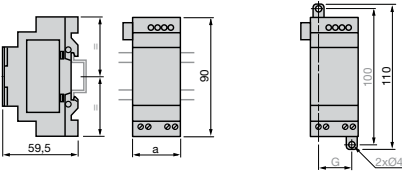


## Módulos de extensión de entradas/salidas

SR3 XT61●● (6 I/O), SR3 XT101●● y SR3 XT141●● (10 y 14 I/O)

Montaje sobre riel DIN 35 mm

Fijación por tornillos (patas retráctiles)

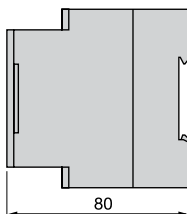


| SR3     | a    | G  |
|---------|------|----|
| XT61●●  | 35,5 | 25 |
| XT101●● | 72   | 60 |
| XT141●● | 72   | 60 |

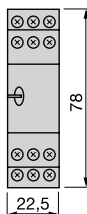
## 15 Zelio Time & Control

### RM4

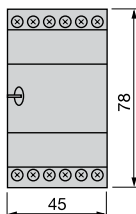
Lateral



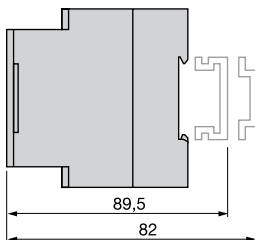
Frente: RM4...



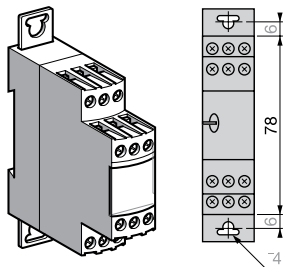
RM4JA32..



Montaje sobre Riel DIN

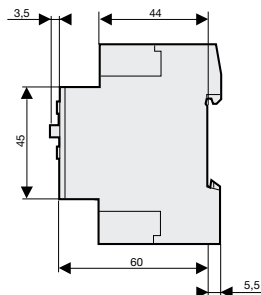


Fijación mediante tornillo

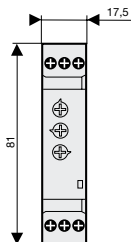


### Relés temporizados modelo RE11

Perfil

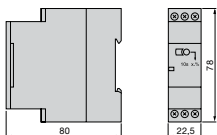


Frente

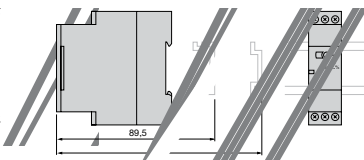


## RE9

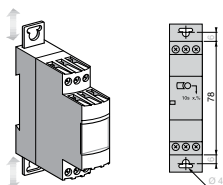
### Lateral y frente



### Montaje sobre perfil

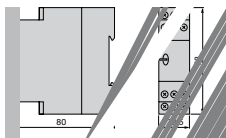


### Fijación mediante tornillo

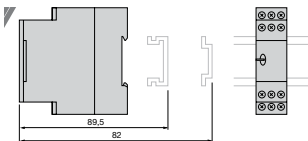


## RE7

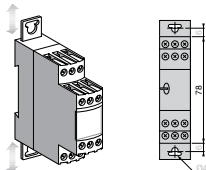
### Lateral y frente



### Montaje sobre perfil

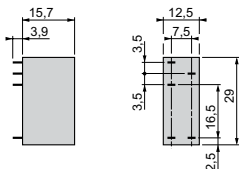


### Fijación mediante tornillo

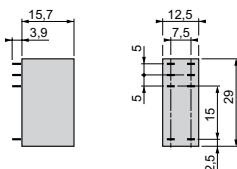


## 16 Relés enchufables RX y RU

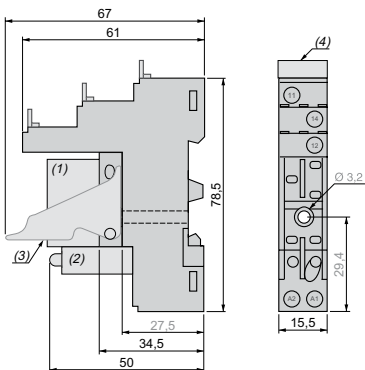
### RSB 1A120●●



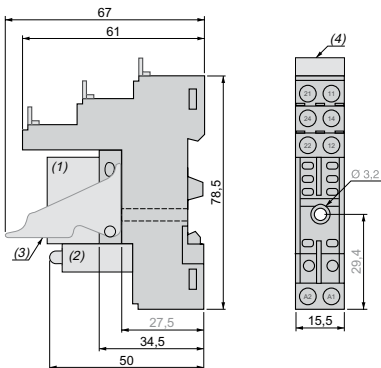
### RSB 2A080●●, RSB 1A160●●



### RSZ E1S35M

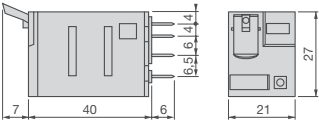


### RSZ E1S48M



Miniature relays

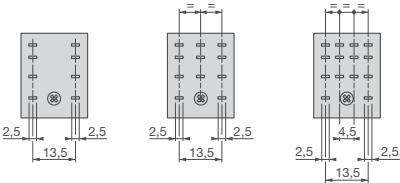
RXM ●●●●●●



RXM 2

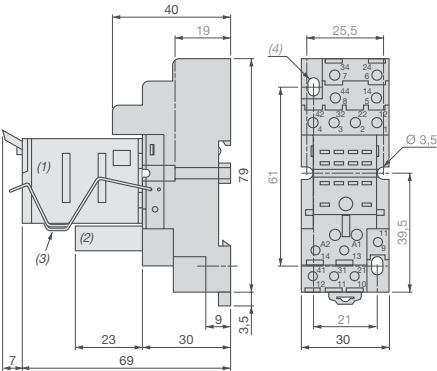
RXM 3

RXM 4

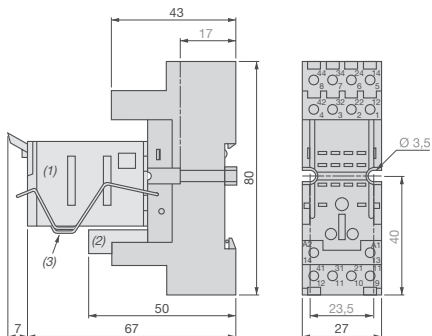


Sockets

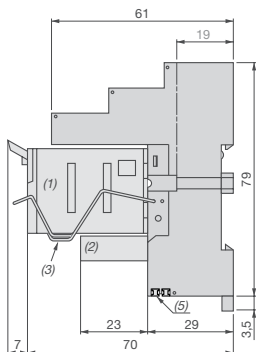
RXZ E2M114



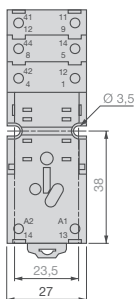
## RXZ E2M114M



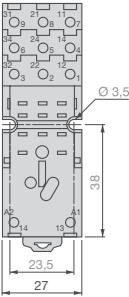
## Common side view



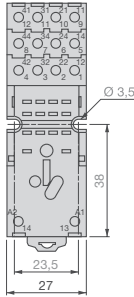
## RXZ E2S108M



**RXZ E2S111M**

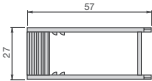


**RXZ E2S114M**

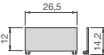


**Plastic clamp and clip-in legends**

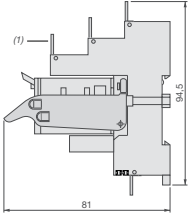
**RXZ R335**



**RXZ L420**



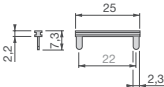
**Mounting on all sockets (1)**



(1) Clip-in legends for all sockets except RXZ E2M114.

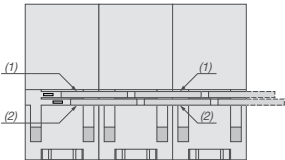
**Bus jumper**

**RXZ S2**



**Mounting on sockets with separate contacts (view from below)**

Example of bus jumper mounting on sockets

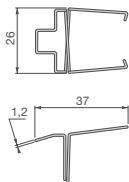


- (1) 2 bus jumpers (polarity A2)
- (2) 2 bus jumpers (polarity A1)



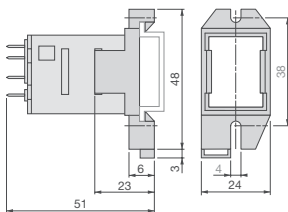
## Metal clamp

### RXZ 400



## Mounting adapter for rail (1)

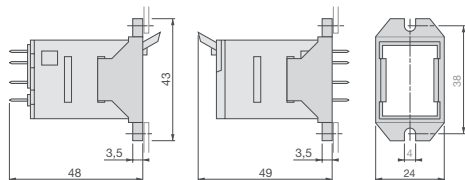
### RXZ E2DA



(1) Test button becomes inaccessible

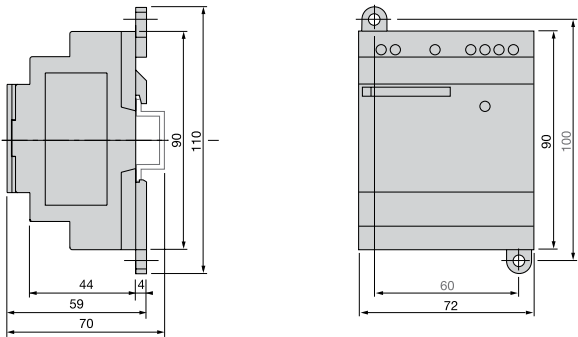
## Mounting adapter for panel

### RXZ E2FA



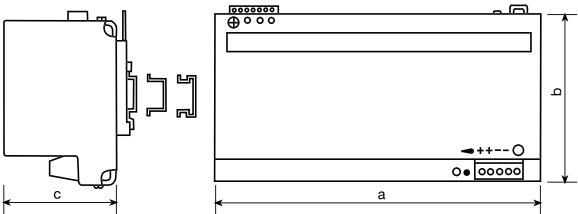
# 17 Fuentes de alimentación ABL7

## ABL7 RM



## ABL7 RU

### ABL-7RU24•0



| ABL7-RU | a   | b   | c   |
|---------|-----|-----|-----|
| 2410    | 260 | 130 | 90  |
| 2420    | 260 | 130 | 90  |
| 2430    | 320 | 170 | 115 |
| 2440    | 320 | 170 | 115 |

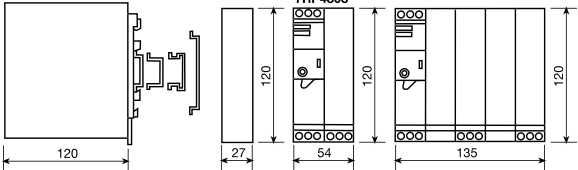
## ABL7 RE/RP

ABL-7RE24••/ABL-7RP••••  
Misma profundidad  
Montaje sobre riel de 35 ó 75 mm.

7RE2402  
7RE2403  
7RP2403

7RE2405  
7RP1205  
7RP2405  
7RP4803

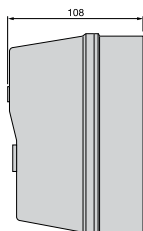
7RE2410  
7RP2410



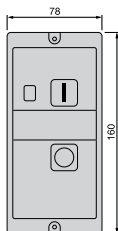
## 18 Arrancadores en caja serie económica

### LE1-M

Perfil



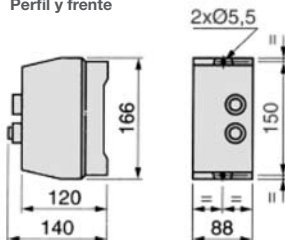
Frente



## 19 Arrancadores en caja serie d

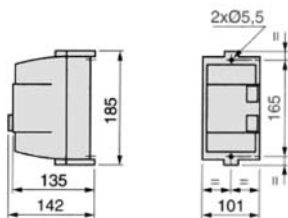
### LE1-093, 094, 123, 124

Perfil y frente



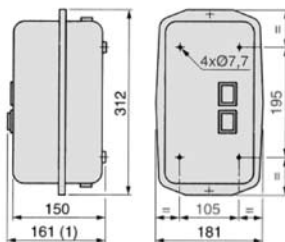
### LE1-185, 188, 255, 258

Perfil y frente



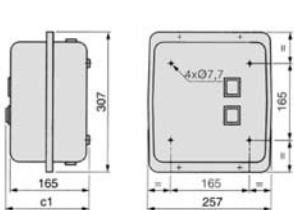
### LE1-D325, 405, 505, 655

Perfil y frente



### LE1-D805, 955

Perfil y frente

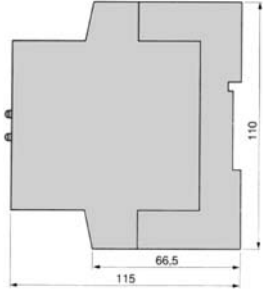


## 20 Arrancadores electrónicos LH4

### LH4

---

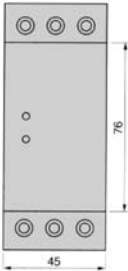
Perfil



### LH4-N1

---

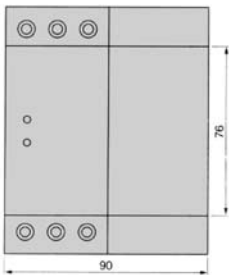
Frente



### LH4-N2

---

Frente



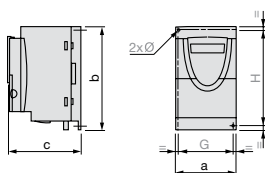
## 21 Variadores de velocidad ATV

### ATV-11

#### ATV 11HU05●●E/U/A, ATV 11PU●●●●E/U/A

Perfil

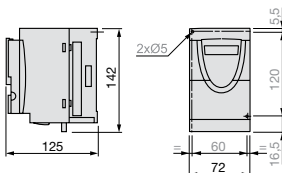
Frente



#### ATV 11HU09M2E

Perfil

Frente

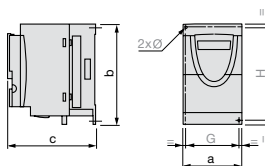


| ATV 11               | a  | b   | c   | G    | H     | Ø |
|----------------------|----|-----|-----|------|-------|---|
| HU05●●E/U, PU●●●●E/U | 72 | 142 | 101 | 60±1 | 131±1 | 5 |
| HU05●●A, PU●●●●A     | 72 | 142 | 108 | 60±1 | 131±1 | 5 |

#### ATV 11HU09●●U/A

Perfil

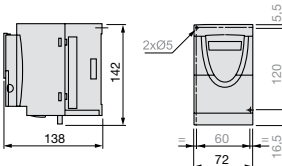
Frente



#### ATV 11HU12M2E, ATV 11HU18M2E

Perfil

Frente

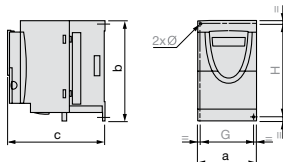


| ATV 11  | a  | b   | c   | G    | H     | Ø |
|---------|----|-----|-----|------|-------|---|
| HU09●●U | 72 | 142 | 125 | 60±1 | 131±1 | 5 |
| HU09●●A | 72 | 142 | 132 | 60±1 | 131±1 | 5 |

#### ATV 11HU18M●U/A

Perfil

Frente

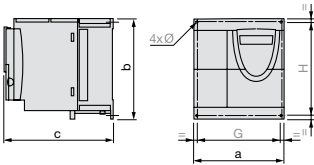


| ATV 11  | a  | b   | c   | G    | H     | Ø |
|---------|----|-----|-----|------|-------|---|
| HU18M●U | 72 | 147 | 138 | 60±1 | 131±1 | 5 |
| HU18M●A | 72 | 142 | 145 | 60±1 | 131±1 | 5 |

ATV 11HU18F1U/A, ATV 11 HU29M●E/U/A,  
ATV 11 HU41M●E/U/A

Perfil

Frente



| ATV 11                           | a   | b   | c   | G       | H     | Ø |
|----------------------------------|-----|-----|-----|---------|-------|---|
| HU18F1U, HU29M●E/U,<br>HU41M●E/U | 117 | 142 | 156 | 106±0,5 | 131±1 | 5 |
| HU18F1A, HU29M A,<br>HU41M A     | 117 | 142 | 163 | 106±0,5 | 131±1 | 5 |

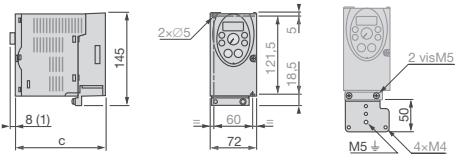
ATV-31

ATV 31H0●●M3X/MXA, ATV 31H0●●M2/M2A

Perfil

Frente

Placa para montaje CEM  
(suministrada con el variador)



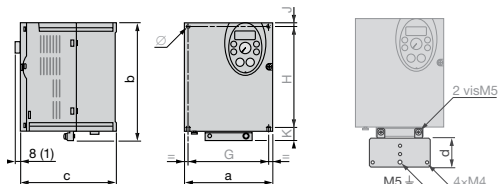
(1) Únicamente para los variadores cuya referencia termina por A.

| ATV 31H        | c   |
|----------------|-----|
| 018M3X, 037M3X | 120 |
| 055M3X, 075M3X | 130 |
| 018M2, 037M2   | 130 |

**ATV 31HU●●M2/M2A, ATV 31HU1●M3X/M3XA a  
ATV 31HU4●M3X/M3XA, ATV 31H0●●N4/N4A a ATV  
31HU40N4/N4A, ATV 31H075S6X a ATV 31HU40S6X**

Perfil

Frente

Placa para montaje CEM  
(suministrada con el variador)

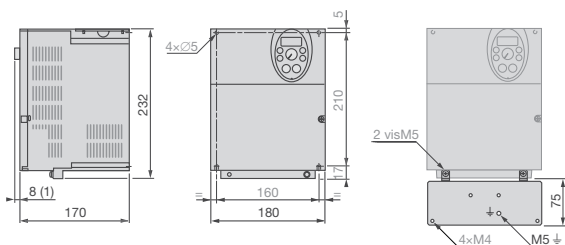
(1) Únicamente para los variadores cuya referencia termina por A.

| ATV 31H                                           | a   | b   | c   | d  | G   | H     | J   | K    | Ø   |
|---------------------------------------------------|-----|-----|-----|----|-----|-------|-----|------|-----|
| U1●M3X                                            | 105 | 143 | 130 | 49 | 93  | 121,5 | 5   | 16,5 | 2×5 |
| U1●M2, U22M3X<br>037N4 a U15N4<br>U75S6X, U15S6X  | 105 | 143 | 150 | 49 | 93  | 121,5 | 5   | 16,5 | 2×5 |
| U22M2, HU●0M3X<br>U22N4 a U40N4<br>U22S6X, U40S6X | 140 | 184 | 150 | 48 | 126 | 157   | 6,5 | 20,5 | 4×5 |

**ATV 31HU55M3X/M3XA, ATV 31HU75M3X/M3XA,  
ATV 31HU55N4/N4A, ATV 31HU75N4/N4A,  
ATV 31HU55S6X, ATV 31HU75S6X**

Perfil

Frente

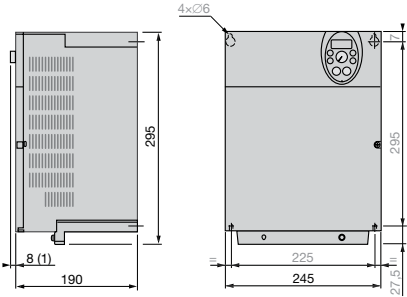
Placa para montaje CEM  
(suministrada con el variador)

(1) Únicamente para los variadores cuya referencia termina por A.

**ATV 31HD1●M3X/M3XA, ATV 31HD1●N4/N4A,  
ATV 31HD1●S6X**

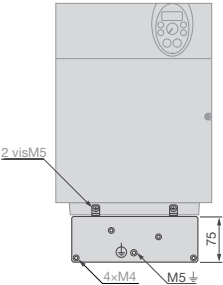
Perfil

Frente



(1) Únicamente para los variadores cuya referencia termina por A.

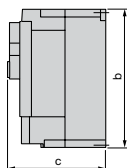
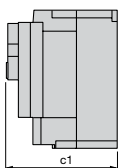
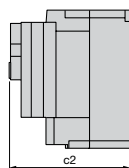
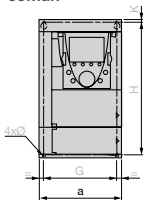
**Placa para montaje CEM  
(suministrada con el variador)**





## ATV-71

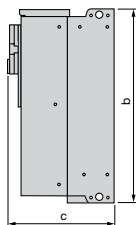
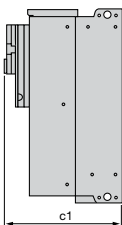
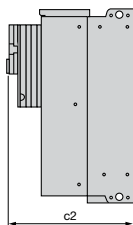
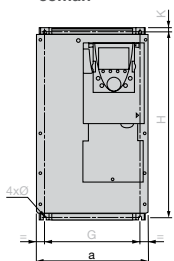
### ATV 71H●●●M3, ATV 71HD11M3X, HD15M3X, ATV 71H075N4...HD18N4

Sin tarjeta  
opcional1 tarjeta  
opcional (1)2 tarjetas  
opcionales (1)Vista frontal  
común

#### ATV 71H

|                              | a   | b   | c   | c1  | c2  | G     | H   | K | Ø |
|------------------------------|-----|-----|-----|-----|-----|-------|-----|---|---|
| 037M3...U15M3, 075N4...U22N4 | 130 | 230 | 175 | 198 | 221 | 113,5 | 220 | 5 | 5 |
| U22M3...U40M3, U30N4, U40N4  | 155 | 260 | 187 | 210 | 233 | 138   | 249 | 4 | 5 |
| U55M3, U55N4, U75N4          | 175 | 295 | 187 | 210 | 233 | 158   | 283 | 6 | 6 |
| U75M3, D11N4                 | 210 | 295 | 213 | 236 | 259 | 190   | 283 | 6 | 6 |
| D11M3X, D15M3X, D15N4, D18N4 | 230 | 400 | 213 | 236 | 259 | 210   | 386 | 8 | 6 |

### ATV 71HD18M3X...45M3X, ATV 71HD22N4...HD37N4

Sin tarjeta  
opcional1 tarjeta  
opcional (1)2 tarjetas  
opcionales (1)Vista frontal  
común

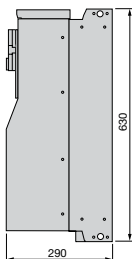
#### ATV 71H

|                       | a   | b   | c   | c1  | c2  | G   | H     | K   | Ø |
|-----------------------|-----|-----|-----|-----|-----|-----|-------|-----|---|
| D18M3X, D22M3X, D22N4 | 240 | 420 | 236 | 259 | 282 | 206 | 403   | 8,5 | 6 |
| D30N4, D37N4          | 240 | 550 | 266 | 289 | 312 | 206 | 529   | 10  | 6 |
| D30M3X...D45M3X       | 320 | 550 | 266 | 289 | 312 | 280 | 524,5 | 10  | 9 |

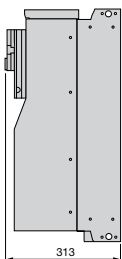
(1) Tarjetas opcionales: tarjetas de extensión de entradas/salidas, tarjetas de comunicación o tarjeta programable "Controller Inside".

## ATV 71HD45N4...HD75N4

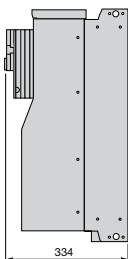
Sin tarjeta  
opcional



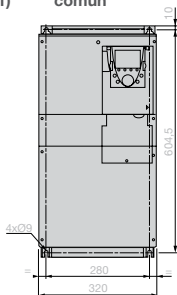
1 tarjeta  
opcional (1)



2 tarjetas  
opcionales (1)



Vista frontal  
común



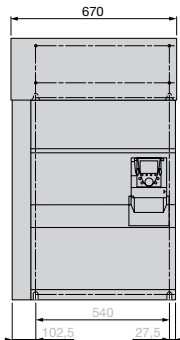
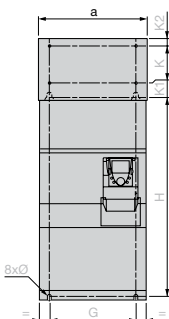
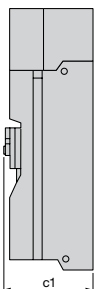
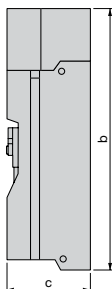
## ATV 71HD55M3X, HD75M3X, ATV 71HD90N4...HC28N4

Con o sin 1  
tarjeta opc. (1)

2 tarjetas  
opcionales (1)

Vista frontal  
común

ATV 71HC20N4...  
HC28N4  
con módulo de  
frenado VW3 A7 101

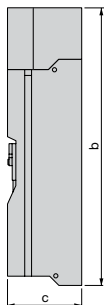


| ATV 71H       | a   | b    | c   | c1  | G   | H   | K   | K1 | K2 | Ø    |
|---------------|-----|------|-----|-----|-----|-----|-----|----|----|------|
| D55M3X, D90N4 | 320 | 920  | 377 | 392 | 250 | 650 | 150 | 75 | 30 | 11,5 |
| D75M3X, C11N4 | 360 | 1022 | 377 | 392 | 298 | 758 | 150 | 75 | 30 | 11,5 |
| C13N4         | 340 | 1190 | 377 | 392 | 285 | 920 | 150 | 75 | 30 | 11,5 |
| C16N4         | 440 | 1190 | 377 | 392 | 350 | 920 | 150 | 75 | 30 | 11,5 |
| C20N4...C28N4 | 595 | 1190 | 377 | 392 | 540 | 920 | 150 | 75 | 30 | 11,5 |

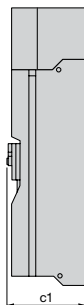
(1) Tarjetas opcionales: tarjetas de extensión de entradas/salidas, tarjetas de comunicación o tarjeta programable "Controller Inside".

## ATV 71HC31N4...HC50N4

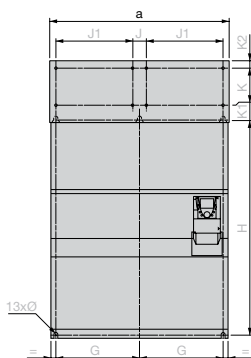
Con o sin 1 tarjeta opc. (1)



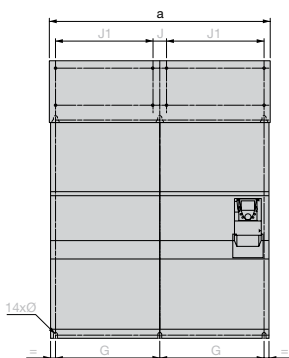
2 tarjetas opcionales (1)



ATV 71HC31N4, HC40N4  
Vista frontal



ATV 71HC50N4  
Vista frontal

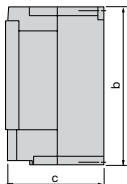


| ATV 71H      | a    | b    | c   | c1  | G     | J  | J1  | H    | K   | K1 | K2 | Ø    |
|--------------|------|------|-----|-----|-------|----|-----|------|-----|----|----|------|
| C31N4, C40N4 | 890  | 1390 | 377 | 392 | 417,5 | 70 | 380 | 1120 | 150 | 75 | 30 | 11,5 |
| C50N4        | 1120 | 1390 | 377 | 392 | 532,5 | 70 | 495 | 1120 | 150 | 75 | 30 | 11,5 |

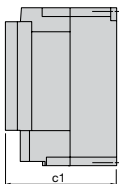
(1) Tarjetas opcionales: tarjetas de extensión de entradas/salidas, tarjetas de comunicación o tarjeta programable "Controller Inside".

## ATV 71H●●●M3Z, ATV 71HD11M3XZ, HD15M3XZ, ATV 71H075N4Z...HD15N4Z

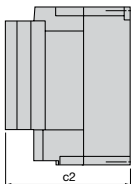
Sin tarjeta  
opcional



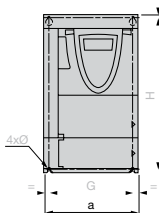
1 tarjeta  
opcional (1)



2 tarjetas  
opcionales (1)



Vista frontal  
común

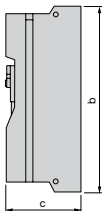


### ATV 71H

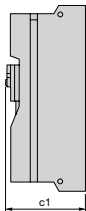
|                                     | b   | c   | c1  | c2  | G   | H     | K   | Ø |
|-------------------------------------|-----|-----|-----|-----|-----|-------|-----|---|
| 037M3Z...U15M3Z,<br>075N4Z...U22N4Z | 130 | 230 | 149 | 172 | 195 | 113,5 | 220 | 5 |
| U22M3Z...U40M3Z,<br>U30N4Z, U40N4Z  | 155 | 260 | 161 | 184 | 207 | 138   | 249 | 4 |
| U55M3Z, U55N4Z,<br>U75N4Z           | 175 | 295 | 161 | 184 | 207 | 158   | 283 | 6 |
| U75M3Z, D11N4Z                      | 210 | 295 | 187 | 210 | 233 | 190   | 283 | 6 |
| D11M3XZ, D15M3XZ,<br>D15N4Z         | 230 | 400 | 187 | 210 | 233 | 210   | 386 | 8 |

## ATV 71HD55M3XD, HD75M3XD, ATV 71HD90N4D...HC28N4D

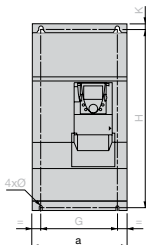
Sin tarjeta  
opcional



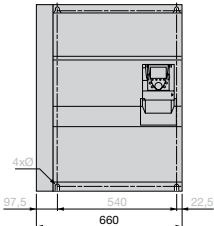
1 tarjeta  
opcional (1)



2 tarjetas  
opcionales (1)



ATV 71HC20N4D...  
HC28N4D  
con módulo  
de frenado  
VW3 A7 101



### ATV 71H

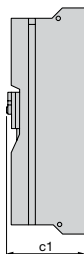
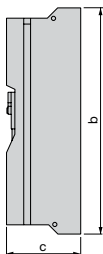
|                 | a   | b   | c   | c1  | G   | H   | K  | Ø    |
|-----------------|-----|-----|-----|-----|-----|-----|----|------|
| D55M3XD, D90N4D | 310 | 680 | 377 | 392 | 250 | 650 | 15 | 11,5 |
| D75M3XD, C11N4D | 350 | 782 | 377 | 392 | 298 | 758 | 12 | 11,5 |
| C13N4D          | 330 | 950 | 377 | 392 | 285 | 920 | 15 | 11,5 |
| C16N4D          | 430 | 950 | 377 | 392 | 350 | 920 | 15 | 11,5 |
| C20N4D...C28N4D | 585 | 950 | 377 | 392 | 540 | 920 | 15 | 11,5 |

(1) Tarjetas opcionales: tarjetas de extensión de entradas/salidas, tarjetas de comunicación o tarjeta programable "Controller Inside".

## ATV 71HC31N4D...HC50N4D

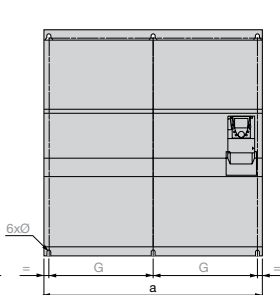
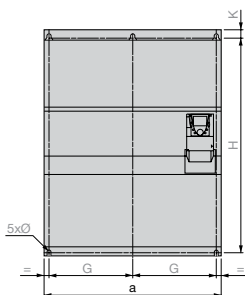
Con o sin 1 tarjeta opc. (1)

2 tarjetas opcionales (1)



ATV 71HC31N4D, HC40N4D  
Vista frontal

ATV 71HC50N4D  
Vista frontal



| ATV 71H        | a    | b    | c   | c1  | G     | H    | K  | Ø    |
|----------------|------|------|-----|-----|-------|------|----|------|
| C31N4D, C40N4D | 880  | 1150 | 377 | 392 | 417,5 | 1120 | 15 | 11,5 |
| C50N4D         | 1110 | 1150 | 377 | 392 | 532,5 | 1120 | 15 | 11,5 |

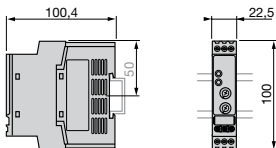
(1) Tarjetas opcionales: tarjetas de extensión de entradas/salidas, tarjetas de comunicación o tarjeta programable "Controller Inside".

## 22 Arrancadores progresivos ATS

### ATS01

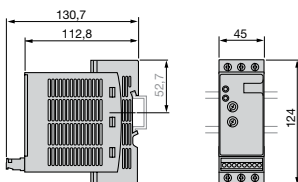
#### ATS 01N103FT, ATS 01N106FT

Montaje sobre perfil  (35 mm) o perfil  con el adaptador RHZ 66

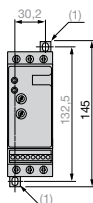


#### ATS 01N103FT, ATS 01N106FT

Montaje sobre perfil  (35 mm)

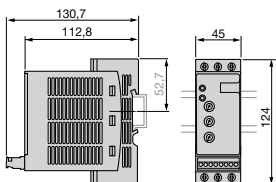


Fijación con tornillos

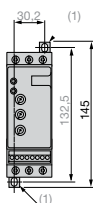


#### ATS 01N206●● a ATS 01N212●●

Montaje sobre perfil  (35 mm)



Fijación con tornillos

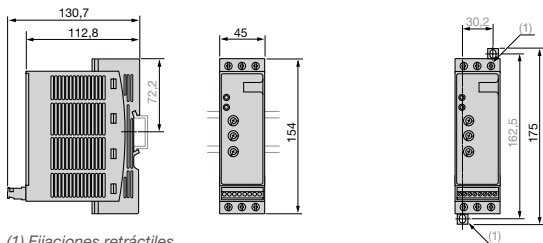


(1) Fijaciones retráctiles.

## ATS 01N222●● a ATS 01N232●●

Montaje sobre perfil  (35 mm)

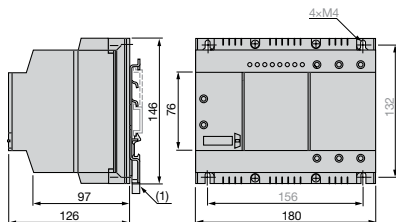
Fijación con tornillos



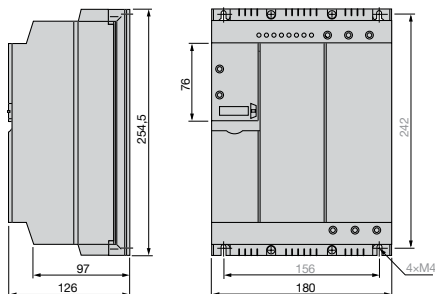
(1) Fijaciones retráctiles.

## ATS 01N230LY, ATS 01N244LY, ATS 01N230Q, ATS 01N244Q

Montaje rápido en perfil  (35 ó 70 mm) a través de la placa VY1 H4101 (1)

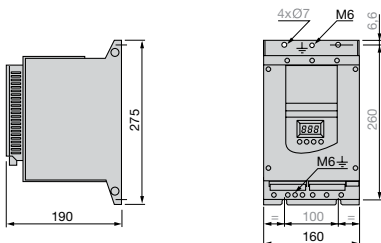


## ATS 01N272LY, ATS 01N285LY, ATS 01N272Q, ATS 01N285Q



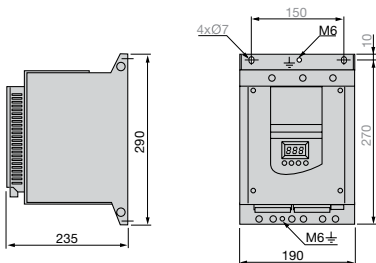
## ATS48

### ATS 48D17● a ATS 48D47●



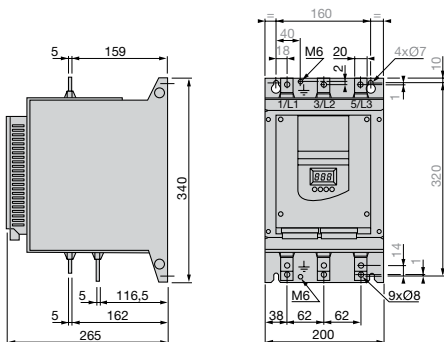
Capacidad máxima de conexión:  
Tomas de tierra: 10 mm<sup>2</sup> (AWG 8)  
Bornas de potencia: 16 mm<sup>2</sup> (AWG 8)

### ATS 48D62● a ATS 48C11●



Capacidad máxima de conexión:  
Tomas de tierra: 16 mm<sup>2</sup> (AWG 4)  
Bornas de potencia: 50 mm<sup>2</sup> (AWG 2/0)

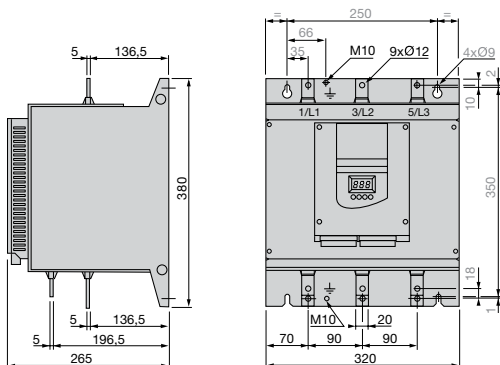
### ATS 48C14● a ATS 48C17●



Capacidad máxima de conexión:  
Tomas de tierra: 120 mm<sup>2</sup> (Bus Bar)  
Bornas de potencia: 95 mm<sup>2</sup> (AWG 2/0)



## ATS 48C21● a ATS 48C32●

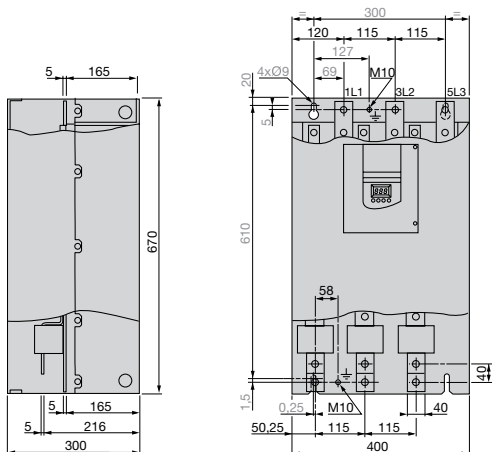


**Capacidad máxima de conexión:**

**Tomas de tierra: 120 mm<sup>2</sup> (Bus Bar)**

**Bornas de potencia: 240 mm<sup>2</sup> (Bus Bar)**

## ATS 48C21● a ATS 48C32●



**Capacidad máxima de conexión:**

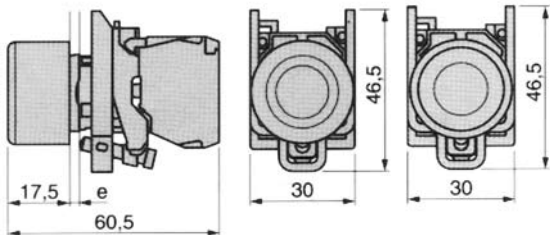
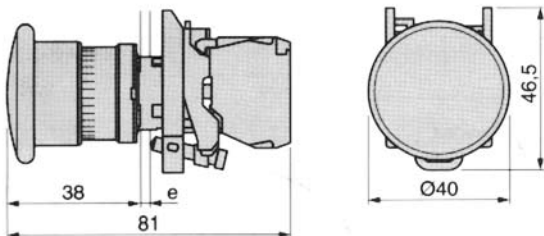
**Tomas de tierra: 240 mm<sup>2</sup> (Bus Bar)**

**Bornas de potencia: 2 x 240 mm<sup>2</sup> (Bus Bar)**



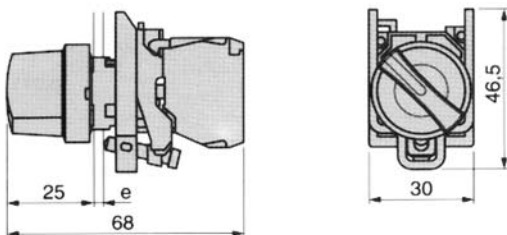
**XB4-BP●●**

Vista frontal común

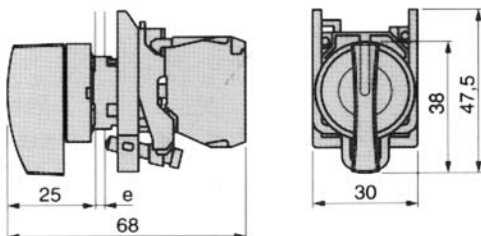
**Pulsadores "de seta"**  
**XB4-BC21**

e: grosor del soporte de 1 a 6 mm.

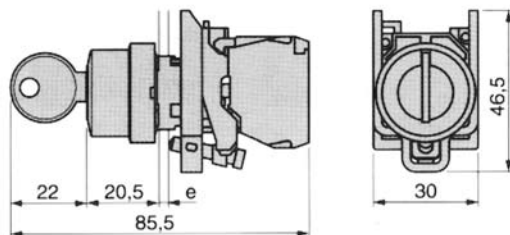
(1) Se puede añadir un segundo nivel de contactos.

**Selectores**  
**con maneta corta**  
**XB4-BD**

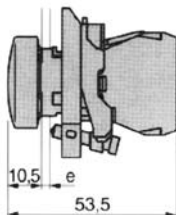
**con maneta larga**  
**XB4-BJ**



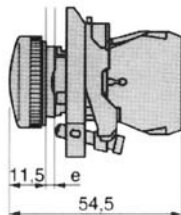
**con cerradura**  
**XB4-BG**



**Pilotos luminosos**  
**con LED integrado**  
**XB4-BVB●, BVG●, BVM●**

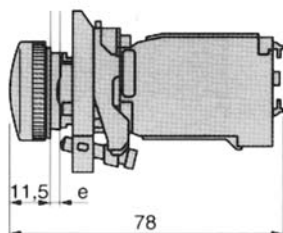


**con alimentación directa**  
**XB4-BV6**

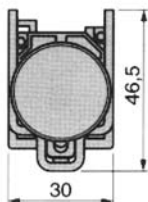


e: grosor del soporte de 1 a 6 mm.

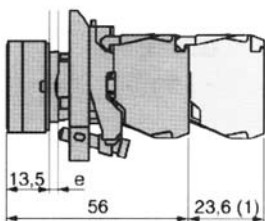
**con transformador incorporado  
XB4-BV3●, BV4●**



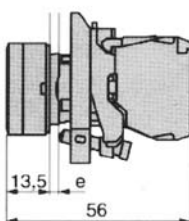
**Vista frontal común**



**Pulsadores luminosos  
con LED integrado  
XB4-BW3●●5**

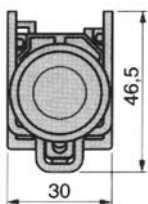
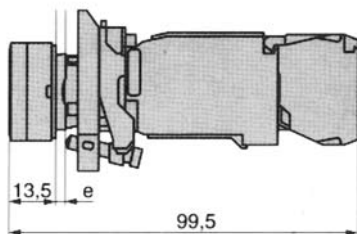


**con alimentación directa  
XB4-BW3●●5**

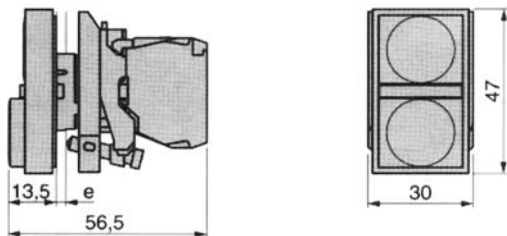


**con transformador  
XB4-BW3●●5**

**Vista frontal común**



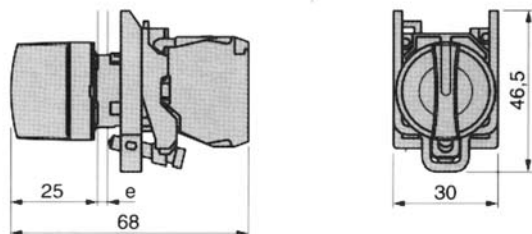
### Pulsadores luminosos dobles con LED integrado XB4-BW84●5



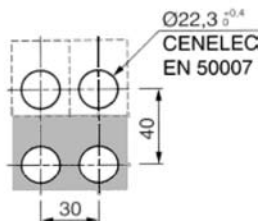
e: grosor del soporte de 1 a 6 mm.

(1) Se puede añadir un segundo nivel de contactos.

### Selectores luminosos con LED integrado XB4-BK12●●5



### Taladro del soporte y montaje para todos los pulsadores y pilotos luminosos

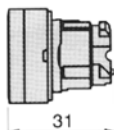
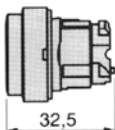
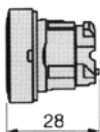


# Cabezas para pulsadores

ZB4-BA●, BA●●●,  
ZB4-BA●8

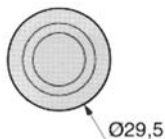
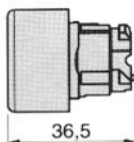
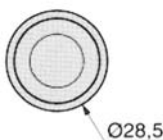
ZB4-BL●, BL●●●

ZB4-BA●6

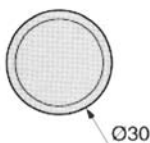
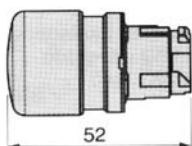


Vista frontal  
común

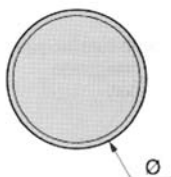
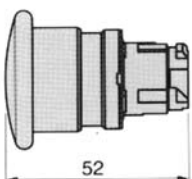
ZB4-BP●●



“de seta”  
ZB4-BC●4



ZB4-BC●, BR●



ZB4-

BC●

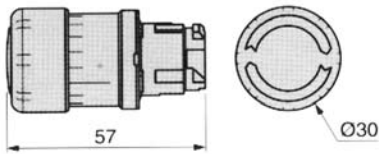
BR●

Ø

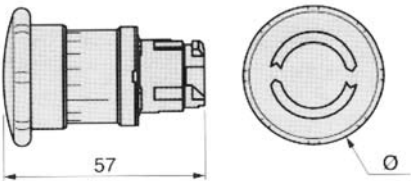
40

60

**Girar para desenclavar**  
**ZB4-BS4●, BS834**



**ZB4-BS5●, BS844, BS6●**

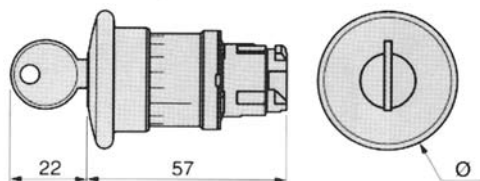


|                    |    |
|--------------------|----|
| <b>ZB4-</b>        | Ø  |
| <b>BS5●, BS844</b> | 40 |
| <b>BS6●</b>        | 60 |



**Cabezas para pulsadores "de seta" de enganche.  
Desenclavamiento mediante llave.**

**ZB4-BS1●, BS2●, BS944, BS964**



|                    |               |
|--------------------|---------------|
| <b>ZB4-</b>        | $\varnothing$ |
| <b>BS1●, BS944</b> | 40            |
| <b>BS2●, BS964</b> | 60            |

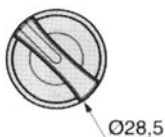
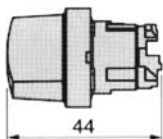
**Cabezas para selectores  
con maneta corta  
ZB4-BD●**



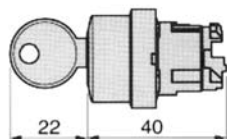
**con maneta larga  
ZB4-BJ●**



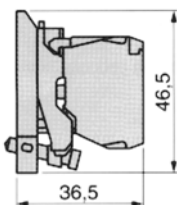
**Cabezas para selectores  
con maneta corta  
ZB4-BD●**



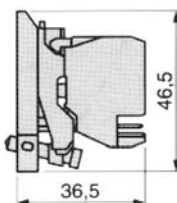
**de cerradura con llave  
ZB4-BG●, BG0●**



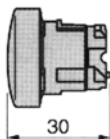
**Cuerpos para pulsadores  
con conexión mediante tornillos de estribo  
ZB4-BZ10●, BZ141**



**con conexión mediante conector  
ZB4-BZ10●4, BZ1414**

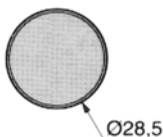
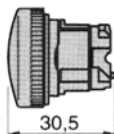


**Cabezas para pilotos con fuente luminosa  
con LED integrado  
ZB4-BV0●3**

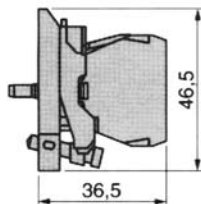


**con lámpara BA9S de incandescencia, neón o LED  
ZB4-BV0●**

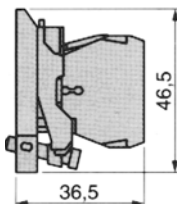
Vista frontal  
común



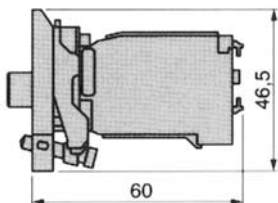
**Cuerpos para pilotos con conexión  
con LED integrado  
ZB4-BV●●**



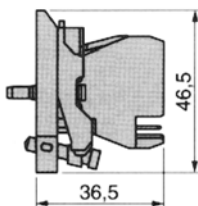
**mediante tornillos de estribo  
con alimentación directa  
para lámparas BA 9s  
ZB4-BV6**



**con transformador incorporado para lámparas BA 9s  
ZB4-BV●, BV●●**



**Cuerpos para pilotos con conexión mediante conector  
con LED integrado  
ZB4-BV●●4**

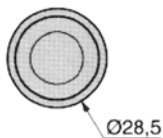
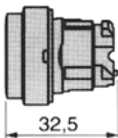
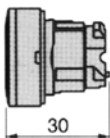


**Cabezas para pulsadores luminosos con fuentes luminosas  
con LED integrado**

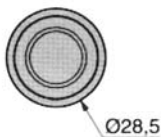
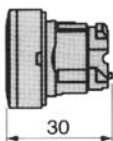
ZB4-BW3●3,  
ZB4-BW5●3, BA●8

ZB4-BW1●3  
ZB4-BL●8

Vista frontal  
común



# ZB4-BW9●3

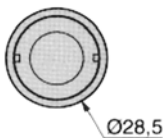
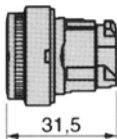
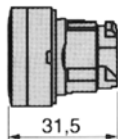


con lámpara BA9s de incandescencia, neón o LED

ZB4-BW3●

ZB4-BW1●

Vista frontal  
común

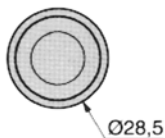
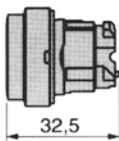
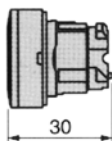


**Cabezas para pulsadores luminosos con fuentes luminosas con LED integrado**

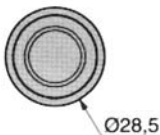
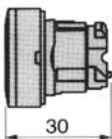
**ZB4-BW3●3,  
ZB4-BW5●3, BA●8**

**ZB4-BW1●3  
ZB4-BL●8**

Vista frontal  
común



**ZB4-BW9●3**

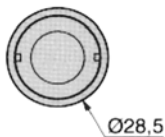
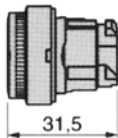
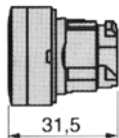


**con lámpara BA9s de incandescencia, neón o LED**

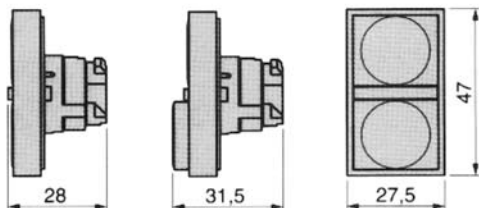
**ZB4-BW3●**

**ZB4-BW1●**

Vista frontal  
común



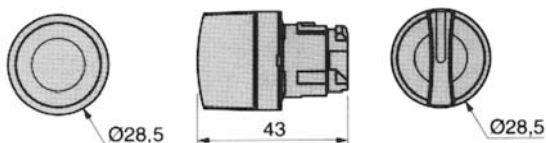
**Cabezas para pulsadores dobles con piloto luminoso**  
**ZB4-BW81●●●3, ZB4-BW83●●●3, Vista frontal común**  
**ZB4-BW82●●●3 ZB4-BW84●●●3**



**Cabezas para pulsadores luminosos "pulsar-pulsar"**  
**ZB4-BH0●3 ZB4-BH●3**

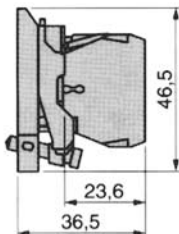
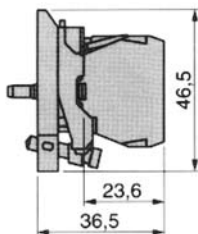


**Cabezas para selectores luminosos de maneta**  
**Vista frontal común ZB4-BK1●●●3**

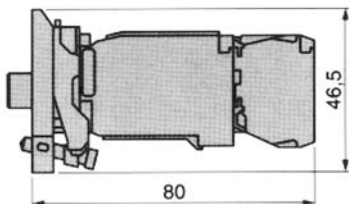


**Cuerpos para pulsadores luminosos  
con conexión mediante tornillos de estribo  
con LED integrado**  
**ZB4-BW0●●●**

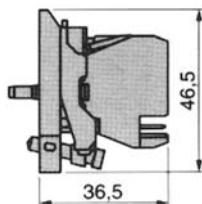
**alimentación directa  
para lámparas BA9s  
ZB4-BW06●**



**con transformador  
para lámparas BA9s  
ZB4-BW0●●, BW0●D●●**



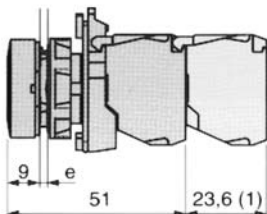
**con conexión mediante conector  
con LED integrado  
ZB4-BW0●●●●4**



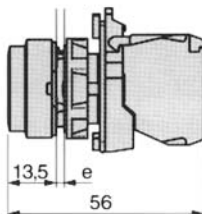


## Pulsadores y pilotos XB5-A

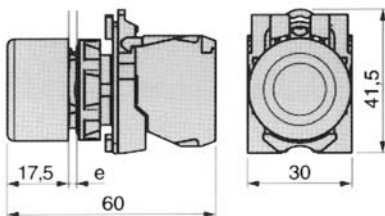
Pulsadores  
XB5-AA●●



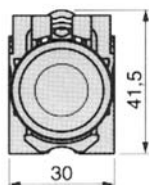
XB5-AL●●



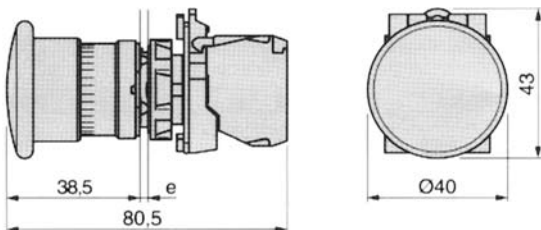
XB5-AP●●



Vista frontal común



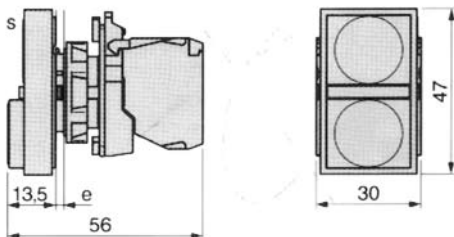
**Pulsadores  
"de seta"  
XB5-AC21**



e: grosor del soporte de 1 a 6 mm.

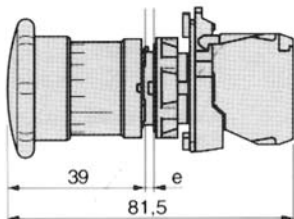
(1) Posibilidad de añadir un segundo nivel de contactos.

**Pulsadores dobles  
XB5-AL●45, AL●4C5**

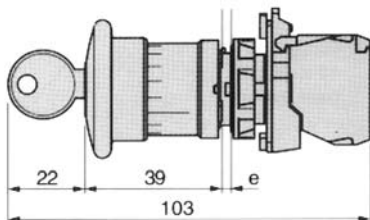


## Pulsadores "de seta". Paro de emergencia

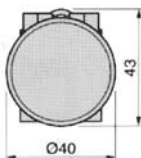
**XB5-AS542, AS8445**



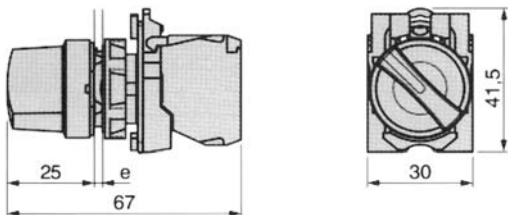
**XB5-AS142, AS9445**



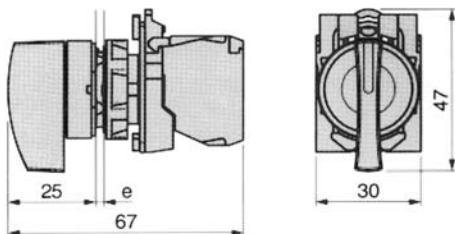
Vista frontal común



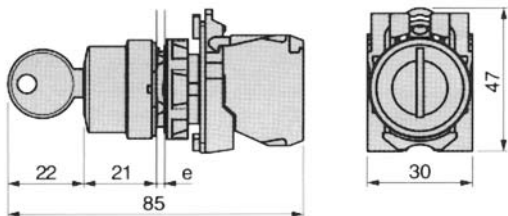
**Selectores  
con maneta corta  
XB5-AD**



**con maneta larga  
XB5-AJ**

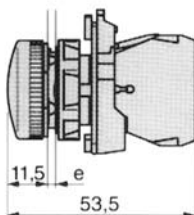
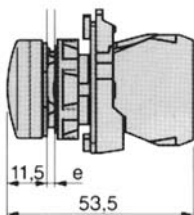


**con cerradura  
XB5-AG**



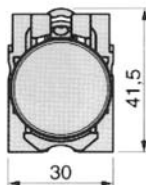
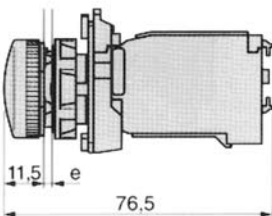
**Pilotos luminosos  
con LED integrado  
XB5-AVB●, AVG●, AVM●**

**con alimentación directa  
XB5-AV6**



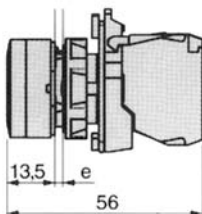
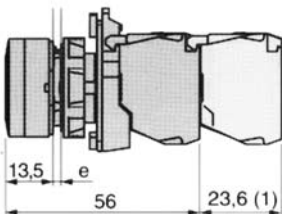
**con transformador incorporado  
XB5-AV3●, AV4●**

**Vista frontal común**



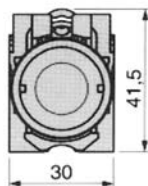
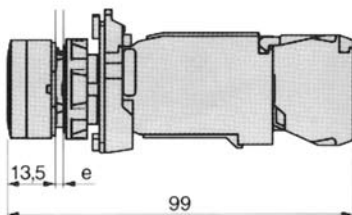
**Pulsadores luminosos  
con LED integrado  
XB5-AW3●●5**

**con alimentación directa  
XB5-AW3●65**

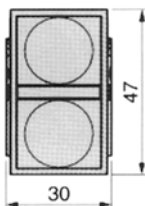
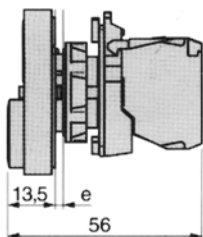


**con transformador  
XB5-AW3●●5**

**Vista frontal común**



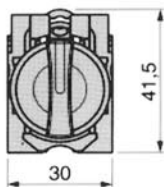
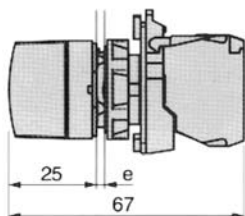
**Pulsadores luminosos dobles  
con LED integrado  
XB5-AW84●5**



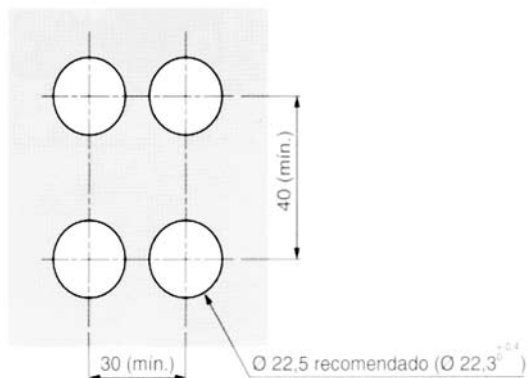
e: grosor del soporte de 1 a 6 mm.

(1) Se puede añadir un segundo nivel de contactos

**Selectores luminosos  
con LED integrado  
XB5-AK12●●5**

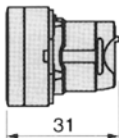
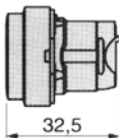
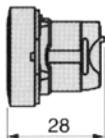


**Taladro del soporte y montaje para todos  
los pulsadores y pilotos luminosos**



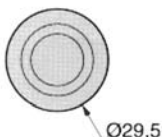
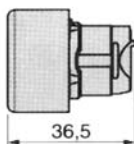
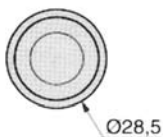
### Cabezas para pulsadores

ZB5-AA●, AA●●●, ZB5-AL●, AL●●● ZB5-AA●4  
ZB5-AA●8

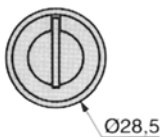
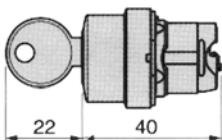


Vista frontal  
común

ZB5-AP●●



### Cabezas para pulsadores función "pulsar-girar" con llave ZB5-AFD



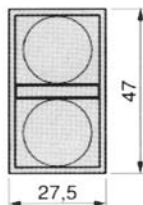
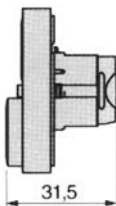
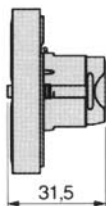


# Cabezas para pulsadores dobles

ZB5-AA81●●,  
ZB5-AA82●●

ZB5-AL83●●,  
ZB5-AL84●●

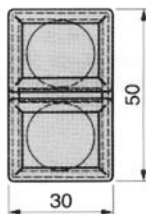
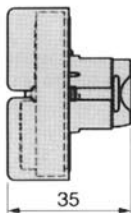
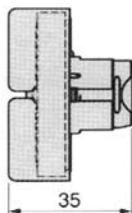
Vista frontal  
común



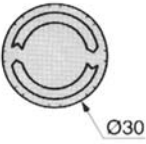
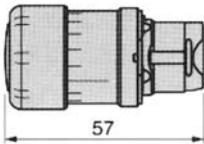
ZB5-AA91●●,  
ZB5-AA92●●

ZB5-AL93●●,  
ZB5-AL94●●

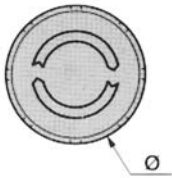
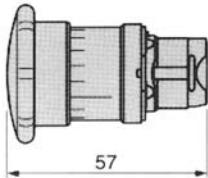
Vista frontal  
común



Girar para desenclavar  
ZB5-AS4●, AS834

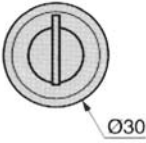
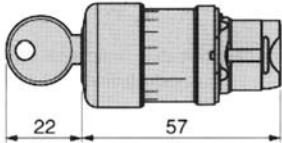


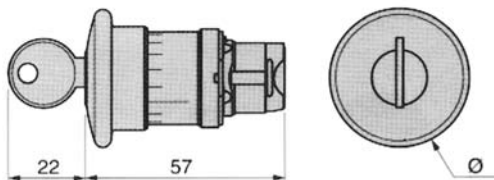
ZB5-AS5●, AS844, AS6●



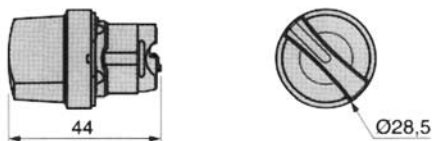
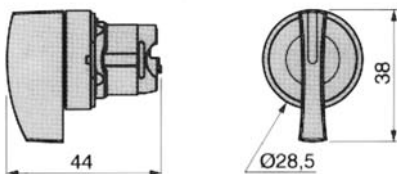
|             |    |
|-------------|----|
| ZB5-        | Ø  |
| AS5●, AS844 | 40 |
| AS6●        | 60 |

Desenclavamiento por llave  
ZB5-AS7●, AS934

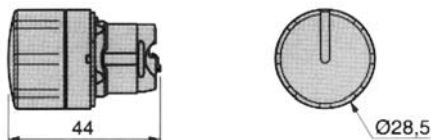


**ZB5-AS1●, AS2●, AS944, AS964**


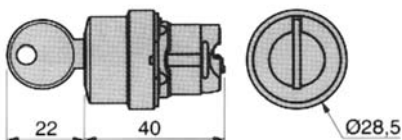
|                    |    |
|--------------------|----|
| <b>ZB5-</b>        | Ø  |
| <b>AS1●, AS944</b> | 40 |
| <b>AS2●, AS964</b> | 60 |

**Cabezas para selectores  
con maneta corta  
ZB5-AD●**

**con maneta larga  
ZB5-AJ●**


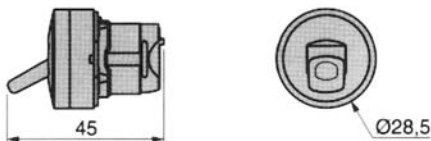
**con maneta potenciómetro negra**  
**ZB5-AD●9**



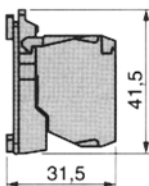
**de cerradura con llave Ronis n° 455**  
**ZB5-AG●, AG0●**



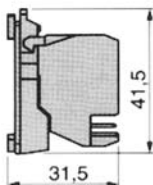
**Cabezas para pulsadores basculantes**  
**ZB5-AD●8**



**Cuerpo para pulsadores**  
**con conexión mediante tornillos de estribo**  
**ZB5-AZ10●, AZ141**

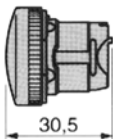
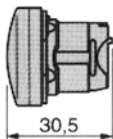


con conexión mediante conector  
ZB5-AZ10●4, AZ1414

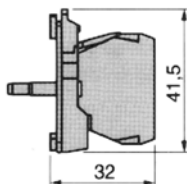


**Cabezas para pilotos con fuente luminosa**  
con LED integrado  
ZB5-AV0●3

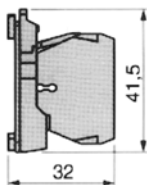
con lámpara BA 9s de  
incandescencia, neón  
o LED ZB5-AV0●



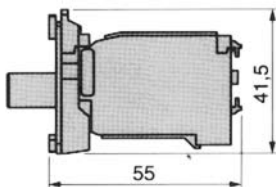
**Cuerpo para pilotos de conexión mediante tornillos de estribo**  
con LED integrado  
ZB5-AV●●



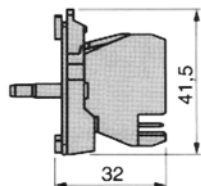
con alimentación directa para lámparas BA 9s  
ZB5-AV6



con transformador incorporado para lámparas BA 9s  
ZB5-AV●, AV●D●



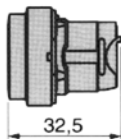
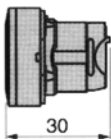
Cuerpo para pilotos con conexión mediante conector  
con LED integrado  
ZB5-AV●●4



Cabezas para pulsadores luminosos con fuentes luminosas  
con LED integrado

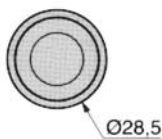
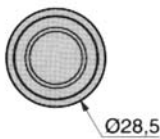
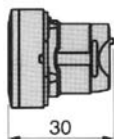
ZB5-AW3●3,  
ZB5-AA●8

ZB5-AW1●3,  
ZB5-AL●8



ZB5-AW9●3

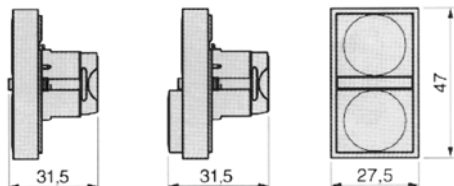
Vista frontal común



### Cabezas para pulsadores luminosos dobles con piloto luminoso

ZB5-AW81●●●3, ZB5-AW83●●●3, Vista frontal común

ZB5-AW82●●●3 ZB5-AW84●●●3



### Cabezas para pulsadores luminosos "pulsar-pulsar"

ZB5-AH0●3

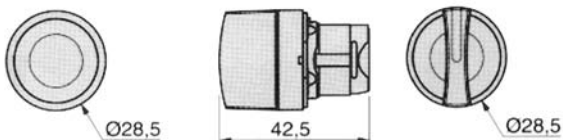
ZB5-AH●3



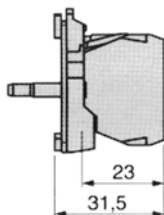
### Cabezas para selectores luminosos de maneta

Vista frontal común

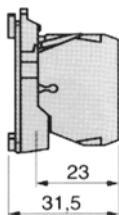
ZB5-AK1●●●3



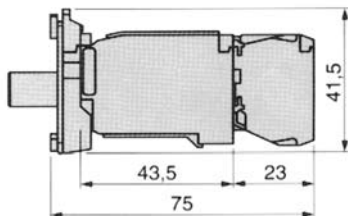
**Cuerpo para pulsadores luminosos con conexión  
mediante tornillos de estribo  
con LED integrado  
ZB5-AW0●●●**



**con alimentación directa para lámparas BA 9s  
ZB5-AW06●**

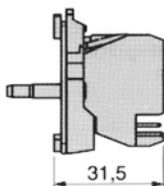


**con transformador para lámparas BA 9s  
ZB5-AW0●●, AW0●D●●**

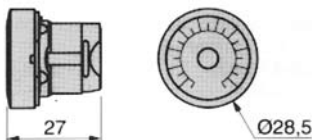




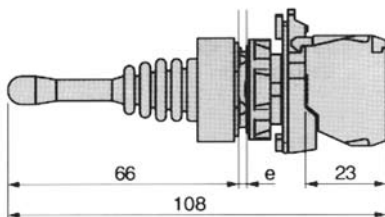
Cuerpo para pulsadores luminosos  
con conexión mediante conector  
con LED integrado  
ZB5-AW0●●●4



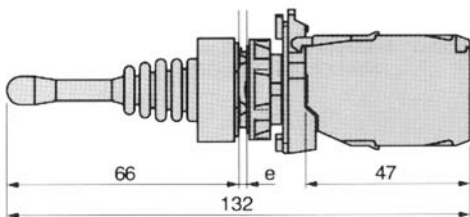
Cabeza + base de fijación  
para potenciómetro  
ZB5-AD9●2



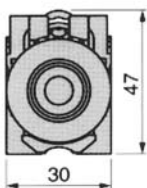
Manipuladores  
XD5-PA●2



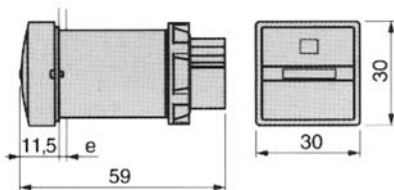
## XD5-PA●4



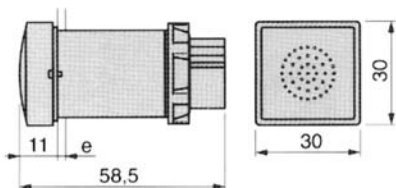
### Vista frontal común



## Contadores horarios XB5-DS●

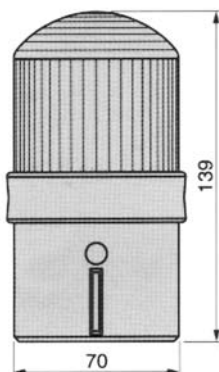


## Elementos sonoros XB5-KS●

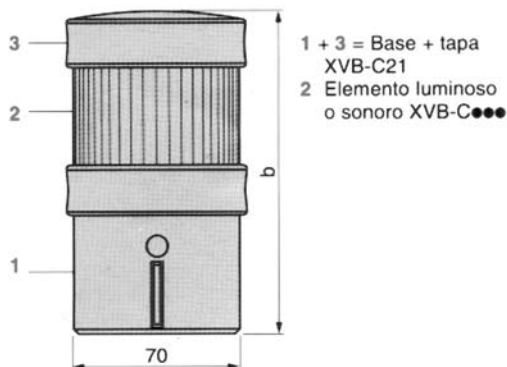


## 24 Columnas luminosas XV

**Balizas luminosas XVB-L●●●**  
**Para lámpara BA 15d o LED**

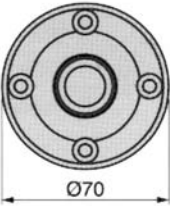
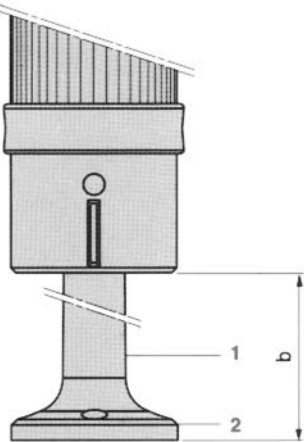


**Columnas de señalización XVB-C**  
**Con elemento, sin tubo de descarga "flash"**



| Número de elementos<br>luminosos o sonoros<br>(no "flash") | b   |
|------------------------------------------------------------|-----|
| 1                                                          | 138 |
| 2                                                          | 201 |
| 3                                                          | 264 |
| 4                                                          | 327 |
| 5                                                          | 390 |

Tubo XVB-C0● y zócalo de fijación en soporte horizontal XVB-C11

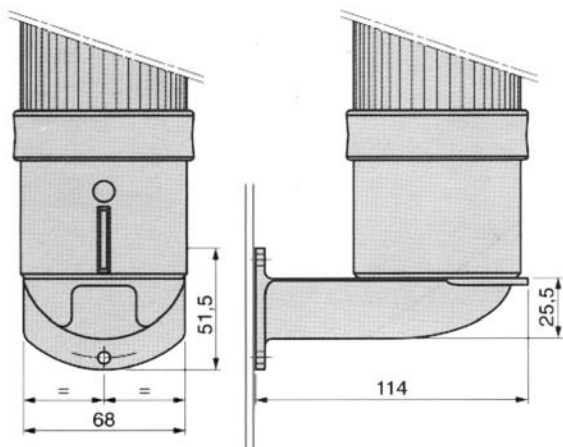


- 1 Tubo XVB-C0● Ø 25 mm
- 2 Zócalo de fijación en soporte horizontal XVB-C11

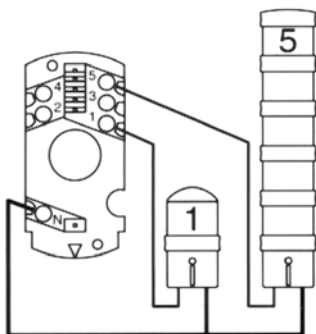
|         | b   |
|---------|-----|
| XVB-C02 | 77  |
| XVB-C03 | 377 |
| XVB-C04 | 777 |

## Zócalo de fijación en soporte vertical XVB-C12

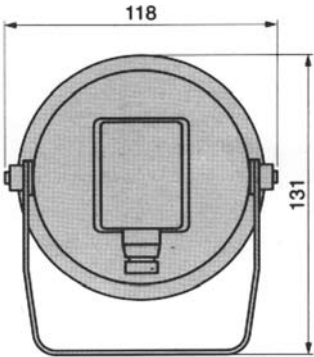
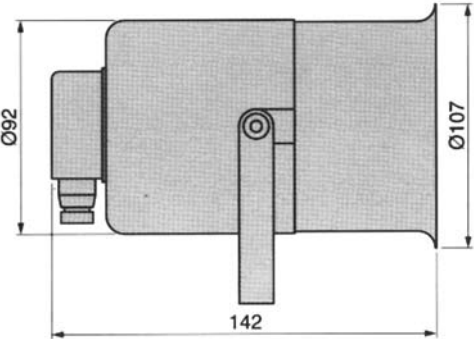
### Montaje directo en base



### Esquema de conexión

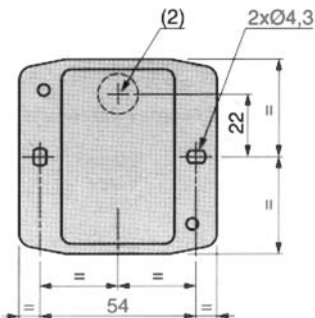
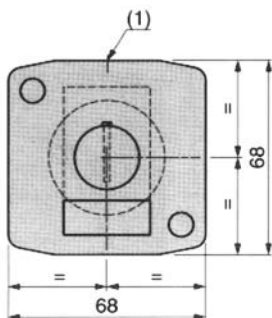
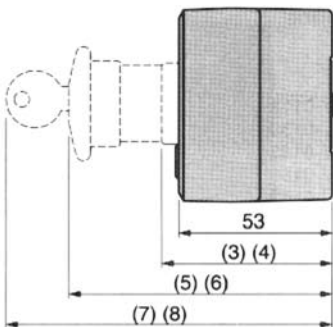


25 Columnas luminosas XVS

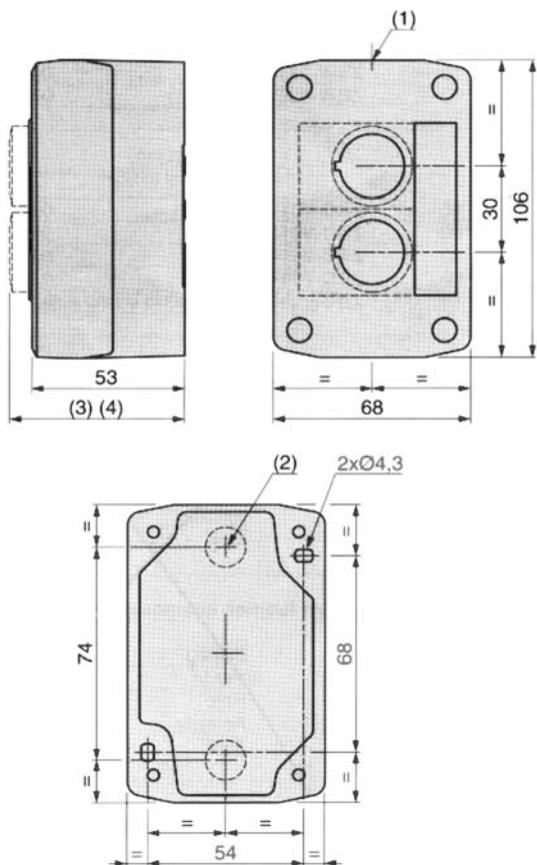


## 26 Cajas de pulsadores XAL

Cajas con 1 pulsador XAL-D1●●, K1●●, D01, D01H7, G01

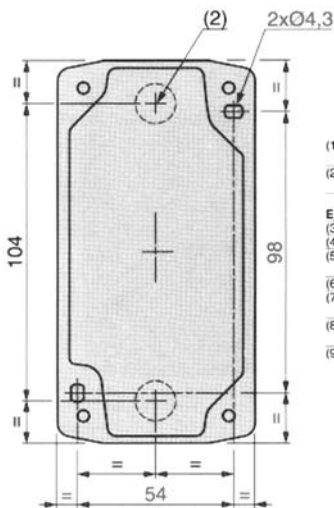
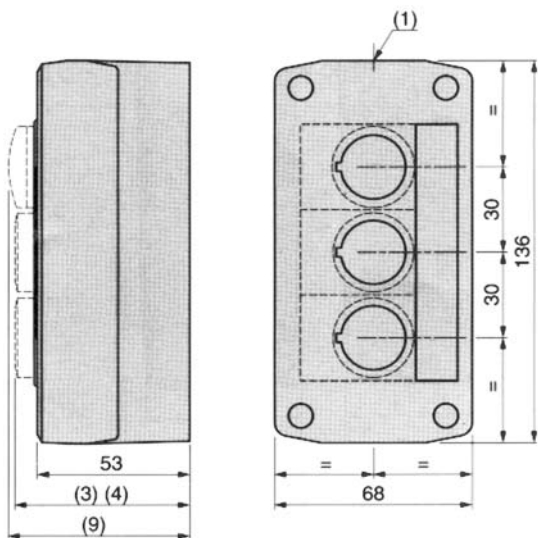


**Cajas con 2 pulsadores XAL-D2●●, K2●●, D02, D02H7, G02**





# Cajas con 3 pulsadores XAL-D3●●, K3●●, D03, D03H7, G03

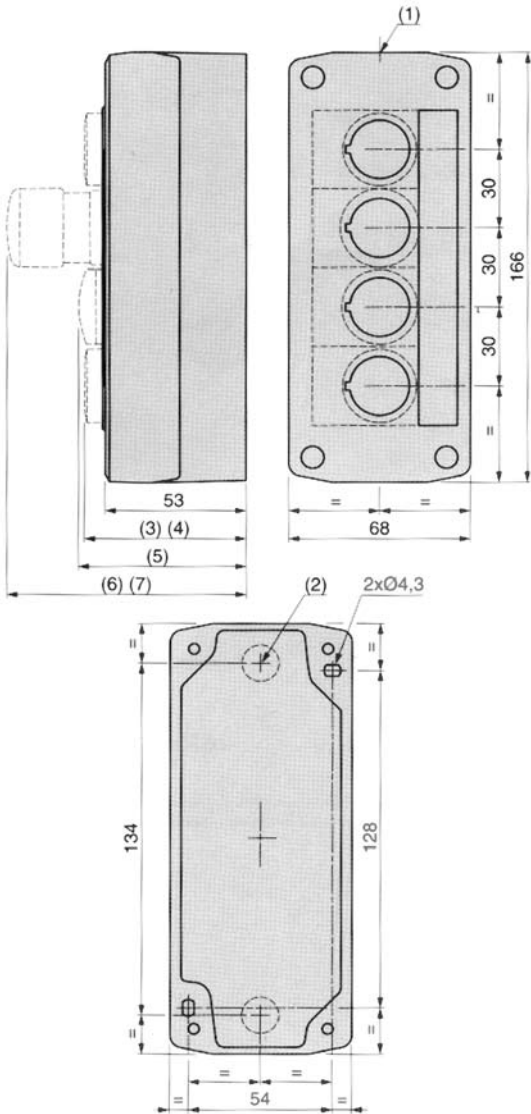


- (1) 2 entradas practicables para prensaestopa PG 13,5, capacidad máx. 12 mm.
- (2) Entrada practicable para el paso de los hilos, capacidad máx. 14 mm.

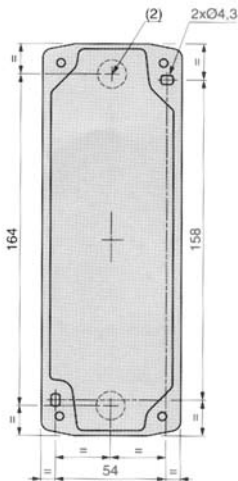
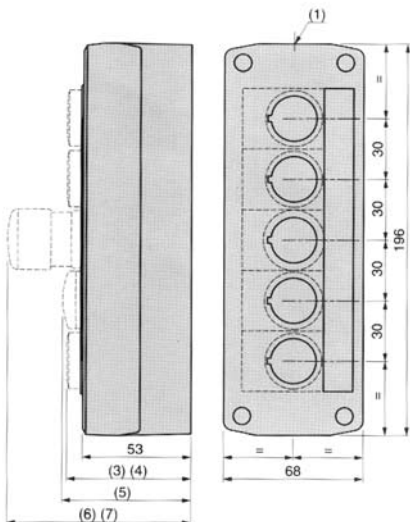
## Ejemplos

- (3) 62 mm para pulsadores rasantes.
- (4) 66 mm para pulsadores salientes.
- (5) 91 mm para pulsadores "de seta" de enganche.
- (6) 74 mm para pulsadores con cerradura.
- (7) 113 mm para pulsadores "de seta" de enganche con llave.
- (8) 96 mm para pulsadores con cerradura de llave.
- (9) 64 mm para pilotos luminosos.

Cajas con 4 pulsadores XAL-D4●●, K4●●, D04, D04H7, G04



# Cajas con 5 pulsadores XAL-D5●●, K5●●, D05, D05H7, G05



- (1) 2 entradas practicables para prensaestopa PG 13,5, capacidad máx. 12 mm.
- (2) Entrada practicable para el paso de los hilos, capacidad máx. 14 mm.

## Ejemplos

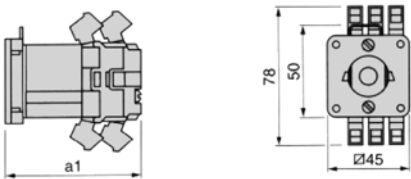
- (3) 62 mm para pulsadores rasantes.
- (4) 66 mm para pulsadores salientes.
- (5) 64 mm para pilotos luminosos.
- (6) 87 mm para pulsadores "de seda".
- (7) 78 mm para selectores.

## 27 Conmutadores a levas K1/K2

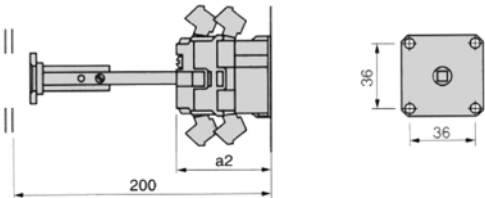
### K1/K2

---

Fijación delantera



Fijación trasera



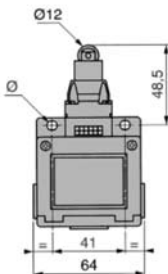
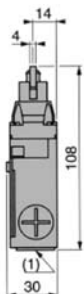
## 28 Interruptores de posición XC

**XCK-M.02**

**ZCK-M. + ZCK-D02**

Perfil

Frente

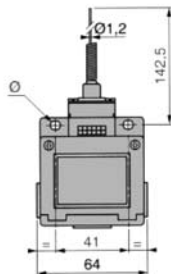
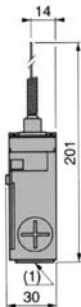


**XCK-M.06**

**ZCK-M. + ZCK-D15**

Perfil

Frente

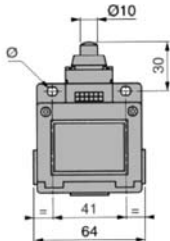
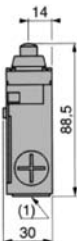


**XCK-M.10**

**ZCK-M. + ZCK-D10**

Perfil

Frente

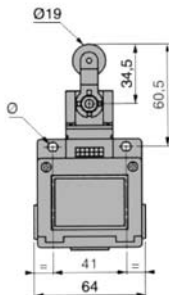
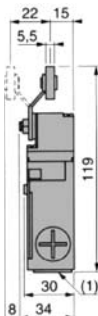


**XCK-M.15**

**ZCK-M. + ZCK-D15**

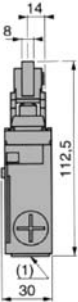
Perfil

Frente

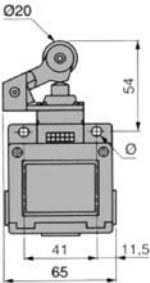


**XCK-M.21**  
**ZCK-M. + ZCK-D21**

Perfil

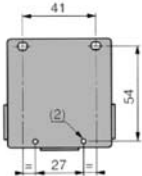


Frente



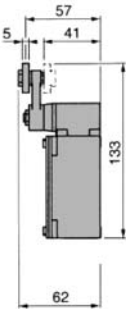
**XCK-M**  
**ZCK-M (vista posterior)**

Vista

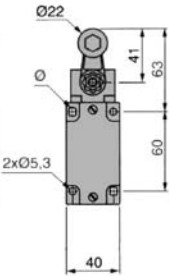


**XCK-J.051.**

Perfil

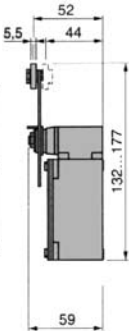


Frente

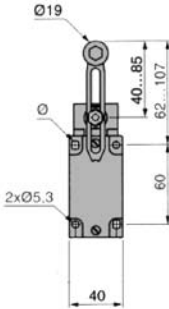


**XCK-J.0541**

Perfil

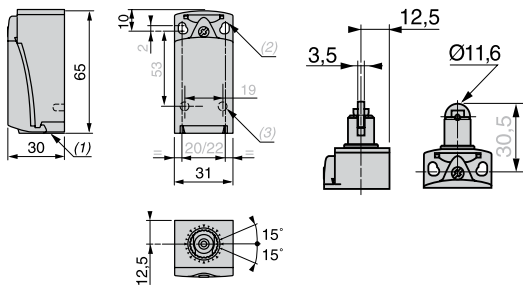


Frente



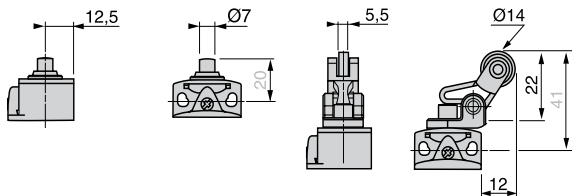
**ZCP 2● + ZCPE G11/ZCD 3●  
+ ZCPE G11**

**ZCE 02**

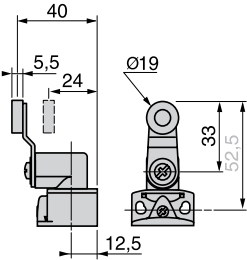


**ZCE 10**

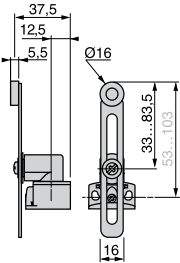
**ZCE 27**



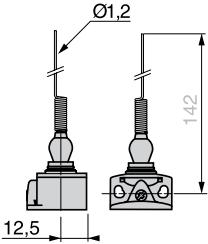
ZCE 01 + ZCY 18



ZCE 01 + ZCY 45



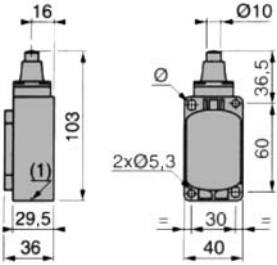
ZCE 06



XCK-S.01  
ZCK-S. + ZCK-D01

Perfil

Frente

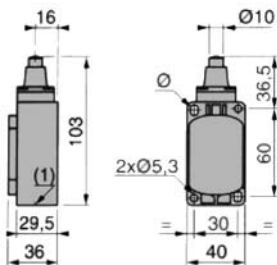




### XCK-S.02 ZCK-S. + ZCK-D02

Perfil

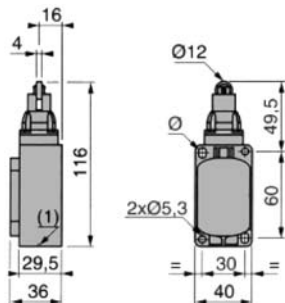
Frente



### XCK-S.31 ZCK-S. + ZCK-D31

Perfil

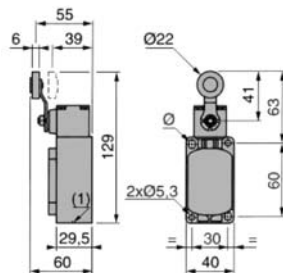
Frente



### XCK-S.31 ZCK-S. + ZCK-D31

Perfil

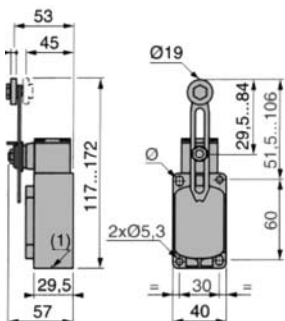
Frente



### XCK-S.41 ZCK-S. + ZCK-D41

Perfil

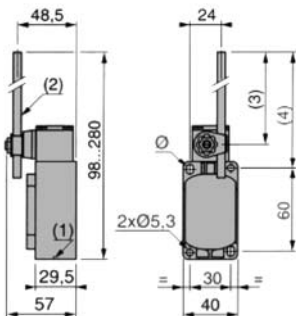
Frente



## XCK-S.59 ZCK-S. + ZCK-D59

Perfil

Frente



### XCK-J

- (1) Taladro roscado p/prensaestopa 13
- (2) Varilla Ø 6 longitud 200mm
- (3) 282 máximo
- (4) 190 máximo
- (5) 212 máximo
- Ø 2 taladros rasgados Ø 5,3 x 7,3

### XCK-M

- (1) 3 taladros roscados para prensaestopa 11
- (2) 2 x Ø 4 H 11 profundidad 10
- Ø 2 taladros rasgados Ø 5,2 x 6,2

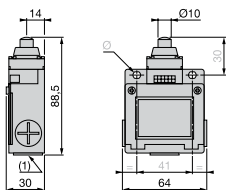
### XCK-P

- (1) Taladro roscado p/prensaestopa 11
- (2) 115 máximo
- (3) 133 máximo
- Ø 2 taladros rasgados Ø 4,3 x 8,3 entreje 22, 2 taladros Ø 4,3 x 8,3 entreje 20

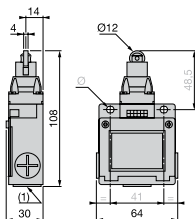
### XCK-S

- (1) Taladro roscado p/prensaestopa 13
- (2) Varilla Ø 6 longitud 200mm
- (3) 190 máximo
- (4) 212 máximo
- Ø 2 taladros rasgados Ø 5,3 x 7,3

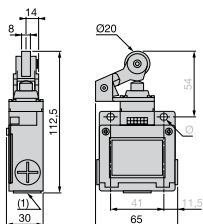
## XCK M●10



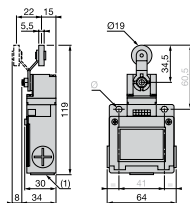
## XCK M●02



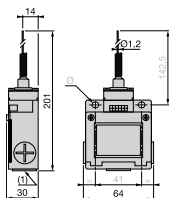
## XCK M●21



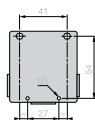
## XCK M●15



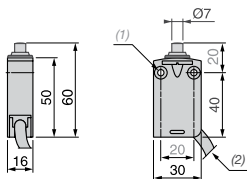
## XCK M●06



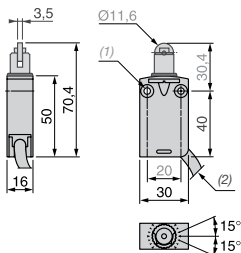
## Vista posterior XCK M●●●,ZCKM●



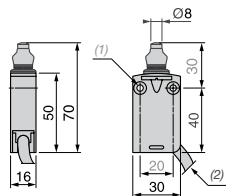
## XCM D2●10L1



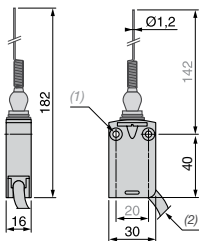
## XCM D2●02L1



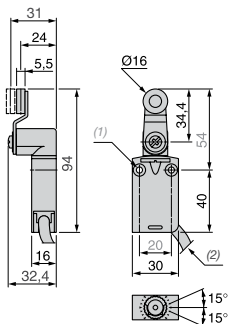
## XCM D2●11L1



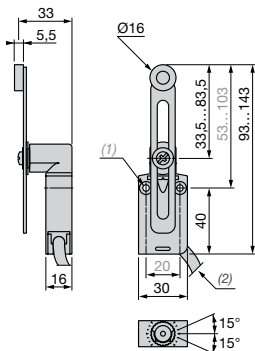
## XCM D2●06L1



## XCM 2●1●L1



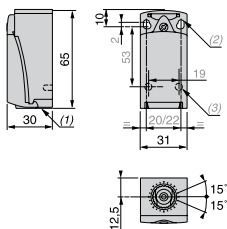
## XCM D2●45L1



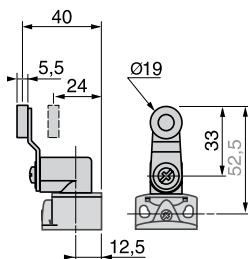
(1) 2 perforaciones de fijación de  $\varnothing 4,2$  mm., con perforaciones externas de  $\varnothing 8$  mm. y 4 mm. de profundidad.

(2) Diámetro exterior del cable 7,5 mm.

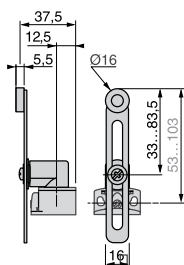
## ZCD 2i + ZCDE G11/ZCD 3i + ZCDE G11



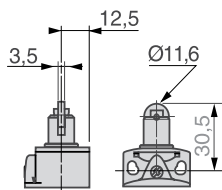
## ZCE 01 + ZCY 18



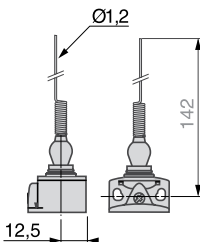
## ZCE 01 + ZCY 45



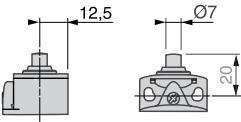
## ZCE 02



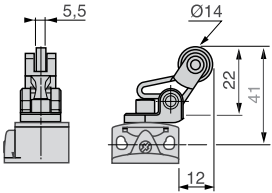
## ZCE 06



ZCE 10



ZCE 27

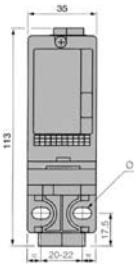
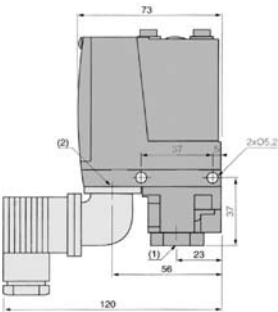


29 Presostatos Nautilus

XML-A

Perfil

Frente



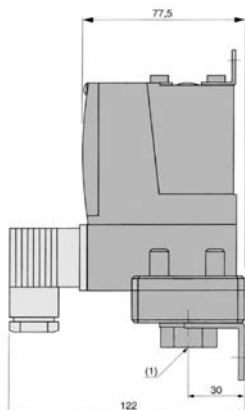
(1) Entrada de fluido, 1/4" BSP hembra

(2) Entrada de conexión eléctrica, tapa para cable de 13mm

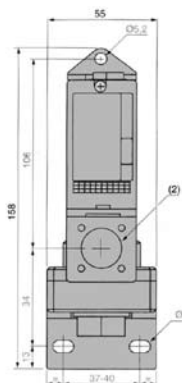
Ø 2 agujeros ovalados Ø 5.2 x 6.2

## XML-B

Perfil



Frente



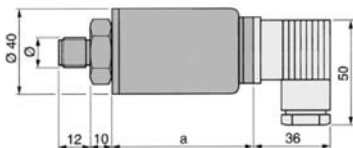
(1) Entrada de fluido, 1/4" BSP hembra

(2) Entrada de conexión eléctrica, tapa para cable de 13mm

Ø 2 agujeros ovalados Ø 5.2 x 6.2

## XML-E

Perfil



XML-EZ

a

M01, 001, 010, 025

65

060, 250, 600

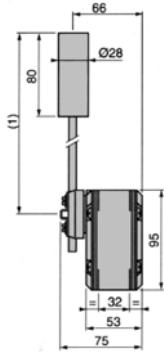
75

Ø 1/4" BSP macho

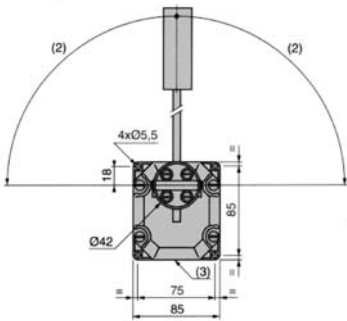
30 Elementos de seguridad

XCR-T115

Perfil



Frente



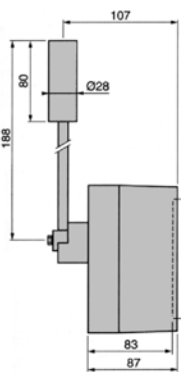
(1) 200 máximo - 83 mínimo

(2) 90° máximo

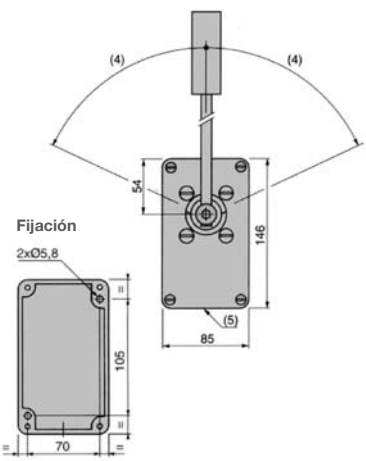
(3) Taladro roscado para prensaestopa 13

XCR-T315

Perfil



Frente



(4) 70° máximo

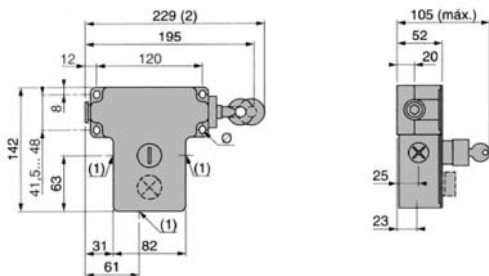
(5) Taladro liso para prensaestopa 13



## XY2

Perfil

Frente



(1) agujero roscado para prensa- estopa de capacidad máxima 12mm

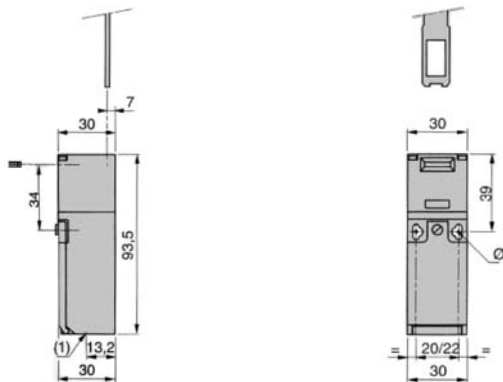
(2) Extensión máxima

Ø 4 agujeros ovalados Ø 6mm

## XCS-PA

Perfil

Frente



(1) agujero roscado p/prensa- estopa

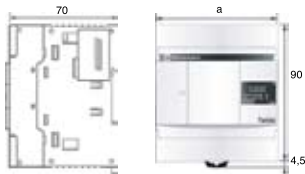
(2) 2 agujeros ovalados Ø 4,3 x 8,3 entre eje 22, 2 agujeros Ø 4,3 entre eje 20

# 31 Plataforma de automatismos

## Twido

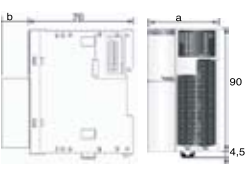
### Frente y perfil

TWD LCAA 10DRF/16DRF/24DRF



|                 | a  |
|-----------------|----|
| TWD LCAA 10 DRF | 80 |
| TWD LCAA 16 DRF | 80 |
| TWD LCAA 24 DRF | 95 |

TWD LMDA 20DpK/20DRT/40DpK



|                    | a    | b     |
|--------------------|------|-------|
| TWD LMDA 20DTK/DUK | 35,4 | 0 (4) |
| TWD LMDA 20DRT     | 47,5 | 14,6  |
| TWD LMDA 40DTK/DUK | 47,5 | 0 (4) |

(4) Sin el conector.