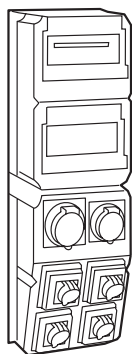


## Hypra combined units

### IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/65/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/12/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67



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## 1. DESCRIPTION

- Products designed to distribute power as close as possible to equipment
- Provision of several types of current (current strengths, voltages) with industrial and/or domestic pin configuration
- Supply for one or more devices
- Protection of users and circuits:
  - Connection and disconnection while de-energised using units equipped with Prisinter or interlocked socket controlled by switch
  - Protection by MCB, RCBO, RCCB, etc.
- Material: plastic
- Colour: RAL 7022
- IK: 09
- IP 44, IP 66/67-55, IP66/67

## 2. USE

- Cover integral with the body
- Rotary switch with double mechanical interlock
  - 1<sup>st</sup> interlock: the switch cannot be energised if the plug is not fully inserted
  - 2<sup>nd</sup> interlock: the plug cannot be removed when the switch is energised
- Markings showing switch ON and OFF positions
- Padlockable switch
- Transparent window for quick viewing of protection devices
- Numerous metric pitch cable entries (top, rear, bottom)
- Equipped with or for equipping with panel mounting sockets with standard fixing centres
- Captive stainless steel external screws
- Units can be placed side by side in the same plane

## 3. RANGE

### 3.1 Undrilled or pre-drilled units

| Cat. No.        | Type                                | D x H x W       | Max. no. of sockets | No. of Lexic modules |
|-----------------|-------------------------------------|-----------------|---------------------|----------------------|
| <b>0 598 41</b> | Undrilled                           | 120 x 230 x 120 | 2 x 16 or 32A       | None                 |
| <b>0 598 42</b> | Undrilled                           | 181 x 370 x 230 | 6 x 16 or 32A       | None                 |
| <b>0 598 43</b> | Undrilled with window and rail      | 120 x 370 x 140 | 2 x 16 or 32A       | 6 *                  |
| <b>0 598 44</b> | Undrilled with window and rail      | 181 x 370 x 230 | 4 x 16 or 32A       | 9 *                  |
| <b>0 598 45</b> | Undrilled with window and 2 rails   | 181 x 740 x 230 | 6 x 16 or 32A       | 2 x 9                |
| <b>0 598 49</b> | Undrilled double window and 2 rails | 181 x 370 x 230 | None                | 2 x 9                |
| <b>0 598 46</b> | Pre-drilled with window and rail    | 173 x 470 x 160 | 2 x 16 or 32A       | 6                    |
| <b>0 598 47</b> | Pre-drilled with window and rail    | 181 x 370 x 230 | 4 x 16 or 32A       | 9                    |
| <b>0 598 48</b> | Pre-drilled with window and 2 rails | 181 x 740 x 230 | 6 x 16 or 32A       | 2 x 9                |
| <b>0 598 50</b> | Pre-drilled without window          | 181 x 370 x 230 | 6 x 16 or 32A       | None                 |

(\*) Do not use RCBOs, only MCBs + RCCBs.

- IP44, IP 66/67, IP 66/67-55 according to the sockets installed
- Supplied without cable glands
- Pre-drilled units are supplied with screws and nuts for fixing panel mounting sockets with standard fixing centres
- Can be equipped with a 100 or 160 VA transformer
- Lock Cat. No. 017 66 for units with window

# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/65/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/12/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 3. RANGE (continued)

#### 3.2 Single-socket unit with MCB

|              |      |            | IP 44                   |
|--------------|------|------------|-------------------------|
| 200 to 250 V | 16 A | 2P + E     | 0 592 06                |
|              | 32 A | 2P + E     | 0 592 46                |
| 380 to 415 V | 16 A | 3P + E     | 0 592 13                |
|              |      | 3P + N + E | 0 592 18                |
|              | 32 A | 3P + E     | 0 592 53                |
|              |      | 3P + N + E | 0 592 58                |
|              | 63 A | 3P + E     | 0 592 39 <sup>(1)</sup> |
|              |      | 3P + N + E | 0 592 40 <sup>(1)</sup> |

<sup>(1)</sup>Wiring with a pilot wire (see § 7)

#### 3.3 Single-socket unit with residual current protection device

|              |      |            | IP 44                   |
|--------------|------|------------|-------------------------|
| 200 to 250 V | 16 A | 2P + E     | 0 592 07 <sup>(2)</sup> |
|              | 32 A | 2P + E     | 0 592 47 <sup>(2)</sup> |
| 380 to 415 V | 16 A | 3P + E     | 0 592 14                |
|              |      | 3P + N + E | 0 592 19                |
|              | 32 A | 3P + E     | 0 592 54                |
|              |      | 3P + N + E | 0 592 59                |
|              | 63 A | 3P + E     | 0 592 79 <sup>(1)</sup> |
|              |      | 3P + N + E | 0 592 79 <sup>(1)</sup> |

<sup>(1)</sup>Wiring with a pilot wire

<sup>(2)</sup>RCCB + MCB

#### 3.4 Single-socket unit with switch

|              |      |            | IP 44    | IP 66/67 - 55 |
|--------------|------|------------|----------|---------------|
| 100 to 130 V | 16 A | 2P + E     | 0 592 00 |               |
| 200 to 250 V | 16 A | 2P + E     | 0 592 03 | 0 592 60      |
|              | 32 A | 2P + E     | 0 592 43 | 0 592 63      |
| 380 to 415 V | 16 A | 3P + E     | 0 592 09 | 0 592 61      |
|              |      | 3P + N + E | 0 592 16 | 0 592 62      |
|              | 32 A | 3P + E     | 0 592 49 | 0 592 64      |
|              |      | 3P + N + E | 0 592 56 | 0 592 65      |
|              | 63 A | 3P + E     | 0 592 34 | 0 592 66      |
|              |      | 3P + N + E | 0 592 35 | 0 592 67      |

#### 3.5 Single-socket unit with switch + MCB

|              |      |            | IP 44    | IP 66/67 - 55           |
|--------------|------|------------|----------|-------------------------|
| 100 to 130 V | 16 A | 2P + E     |          | 0 596 60 <sup>(1)</sup> |
| 200 to 250 V | 16 A | 2P + E     | 0 596 10 | 0 596 61                |
|              | 32 A | 2P + E     | 0 596 15 | 0 596 65                |
| 380 to 415 V | 16 A | 3P + E     | 0 596 12 | 0 596 62                |
|              |      | 3P + N + E | 0 596 13 | 0 596 63                |
|              | 32 A | 3P + E     | 0 596 17 | 0 596 67                |
|              |      | 3P + N + E | 0 596 18 | 0 596 68                |
|              | 63 A | 3P + E     | 0 592 86 | 0 596 69                |
|              |      | 3P + N + E | 0 592 85 | 0 596 70                |

<sup>(1)</sup>Equipped with an empty rail

### 3. RANGE (continued)

#### 3.6 Single-socket unit with switch + RCBO

|              |      |            | IP 44                   | IP 66/67 - 55           |
|--------------|------|------------|-------------------------|-------------------------|
| 200 to 250 V | 16 A | 2P + E     | 0 596 01                | 0 596 51                |
|              | 32 A | 2P + E     | 0 596 05                | 0 596 55                |
| 380 to 415 V | 16 A | 3P + E     | 0 596 02                | 0 596 52                |
|              |      | 3P + N + E | 0 596 03                | 0 596 53                |
|              | 32 A | 3P + E     | 0 596 07                | 0 596 57                |
|              |      | 3P + N + E | 0 596 08                | 0 596 58                |
|              | 63 A | 3P + E     | 0 592 83 <sup>(2)</sup> | 0 596 59 <sup>(2)</sup> |
|              |      | 3P + N + E | 0 592 84 <sup>(1)</sup> | 0 596 81 <sup>(1)</sup> |

<sup>(1)</sup>Equipped with an RCCB

<sup>(2)</sup>MCB and earth leakage module

#### 3.7 Prsinter single-socket unit + residual current protection device

|              |      |            | IP 44                   |
|--------------|------|------------|-------------------------|
| 200 to 250 V | 16 A | 2P + E     | 0 592 24 <sup>(1)</sup> |
| 380 to 415 V | 16 A | 3P + E     | 0 592 25                |
|              |      | 3P + N + E | 0 592 26                |
|              | 32 A | 3P + E     | 0 592 28                |
|              |      | 3P + N + E | 0 592 29                |
|              | 63 A | 3P + E     | 0 592 88 <sup>(2)</sup> |
|              |      | 3P + N + E | 0 592 89 <sup>(1)</sup> |

<sup>(1)</sup>Equipped with an RCBO

<sup>(2)</sup>MCB and earth leakage module

#### 3.8 125 A unit with Vistop switch

|              |       |            | IP 66/67 - 55 |
|--------------|-------|------------|---------------|
| 380 to 415 V | 125 A | 3P + E     | 0 591 14      |
|              |       | 3P + N + E | 0 591 15      |

#### 3.9 Unit for refrigerated containers

Perishable products are transported throughout the world in refrigerated containers by land, sea and air. Hence the use of this combined unit for refrigerated containers by major transport companies (container terminals, transit hubs, railway stations, ports, airports, warehouses, transport by sea, etc.).

3P+E 32 A 440 V unit - earth pin located in "3 o'clock" position, equipped with a switch and an IP 66/67-55 socket outlet.

|       |      |        | IP 66/67 - 55 |
|-------|------|--------|---------------|
| 440 V | 32 A | 3P + E | 0 596 95      |

#### Associated mobile products:

Plug: ..... 0 529 46

Mobile socket: ..... 0 529 86

#### Associated fixed products:

Panel mounting socket: ..... 0 529 26

Appliance inlet: ..... 0 529 36

# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/  
28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 3. RANGE (continued)

#### 3.10 Multi-socket unit

##### IP 44 unit with 2 sockets

###### Cat. No. 0 598 62

- 6 modules
- 2 x 16 A 2P - 20/25 V~ sockets
- 160 A transformer (Cat. No. 0 428 58)
- 2-pole 6 A MCB (Cat. No. 0 064 64 or 4 077 80)
- 2 x 4 A MCB (Cat. No. 1 064 63 or 4 077 79)

###### Cat. No. 0 598 64

- 9 modules
- 1 x 16 A 2P+E - 200/250 V~ Prisinter
- 1 x 16 A 3P+E - 380/415 V~ Prisinter
- 4-pole 25A RCCB (Cat. No. 0 086 93 or 4 016 60)
- 2-pole 16 A MCB (Cat. No. 0 064 68 or 4 077 84)
- 3-pole 16 A MCB (Cat. No. 0 064 88 or 4 078 29)

###### Cat. No. 0 598 65

- 6 modules
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 16 A 2P+E - 250 V~ NFC pin configuration socket with safety shutter
- 2 x 20 A 30 mA RCBO (Cat. No. 0 079 20 or 4 111 59)

###### Cat. No. 0 598 66

- 6 modules
- Input terminal block
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 32 A 3P+E - 380/415 V~ socket
- 2-pole 16 A MCB (Cat. No. 0 064 68 or 4 077 84)
- 3-pole 32 A MCB (Cat. No. 0 064 91 or 4 078 32)

###### Cat. No. 0 598 67

- 6 modules
- Input terminal block
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 32 A 3P+N+E - 380/415 V~ socket
- 2-pole 16 A MCB (Cat. No. 0 064 68 or 4 077 84)
- 4-pole 32 A MCB (Cat. No. 0 065 66 or 4 079 01)

##### IP 44 unit with 3 sockets

###### Cat. No. 0 598 61

- 9 modules
- 1 x 16 A 2P - 20/25V~ socket
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 16 A 2P+E - 250 V~ NFC pin configuration socket with safety shutter
- 2-pole 3 A MCB (Cat. No. 0 064 62 or 4 077 78)
- 2 x 20 A MCB (Cat. No. 0 064 69 or 4 077 85)
- 2 x 4 A MCB (Cat. No. 1 064 63 or 4 077 79)
- 2-pole 25 A RCCB (Cat. No. 0 086 28 or 4 115 04)
- 100 VA transformer (Cat. No. 0 427 11). Planned change to 100 VA transformer (Cat. No. 0 428 57)

##### IP 44 unit with 6 sockets

###### Cat. No. 0 598 63

- 2 x 9 modules
- 2 x 16 A 2P - 20/25 V~ sockets
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 2 x 16 A 2P+E - 250 V~ NFC pin configuration sockets with safety shutter
- 1 x 32 A 3P+E - 380/415 V~ socket
- 4-pole 40 A RCCB (Cat. No. 0 086 94 or 4 116 61)
- 2-pole 6 A MCB (Cat. No. 0 064 64 or 4 077 80)
- 3-pole 32 A MCB (Cat. No. 0 064 91 or 4 078 32)
- 2 x 20 A MCB (Cat. No. 0 064 69 or 4 077 85)
- 2 x 4 A MCB (Cat. No. 1 064 63 or 4 077 79)
- 160 VA transformer (Cat. No. 0 428 58)

### 3. RANGE (continued)

#### 3.10 Multi-socket unit (continued)

##### IP 44 unit with 6 sockets

###### Cat. No. 0 598 70

- 2 x 9 modules
- 2 x 16 A 2P - 20/25 V~ sockets
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 2 x 16 A 2P+E - 250 V~ NFC pin configuration sockets with safety shutter
- 1 x 32 A 3P+N+E - 380/415V~ socket
- 4-pole 40 A RCCB (Cat. No. 0 086 94 or 4 116 61)
- 2-pole 6 A MCB (Cat. No. 0 064 64 or 4 077 80)
- 4-pole 32 A MCB (Cat. No. 0 065 66 or 4 079 01)
- 2 x 20 A MCB (Cat. No. 0 064 69 or 4 077 85)
- 2 x 4 A MCB (Cat. No. 1 064 63 or 4 077 79)
- 160 VA transformer (Cat. No. 0 428 58)

##### IP 66/67-55 unit with 2 sockets

###### Cat. No. 0 598 71

- 6 modules
- 1 x 16 A 2P+E - 200/250V~ IEC pin configuration socket
- 1 x 16 A 2P+E - 250 V~ NFC pin configuration socket with safety shutter
- 2 x 20 A 30 mA RCBO (Cat. No. 0 079 20 or 4 111 59)

###### Cat. No. 0 598 72

- 6 modules
- Input terminal block
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 32 A 3P+E - 380/415 V~ socket
- 2-pole 16 A MCB (Cat. No. 064 68 or 4 077 84)
- 3-pole 32 A MCB (Cat. No. 064 91 or 4 078 32)

###### Cat. No. 0 598 73

- 6 modules
- Input terminal block
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 32 A 3P+N+E - 380/415V~ socket
- 2-pole 16 A MCB (Cat. No. 0 064 68 or 4 077 84)
- 4-pole 32 A MCB (Cat. No. 0 065 66 or 4 079 01)

##### IP 66/67-55 unit with 3 sockets

###### Cat. No. 0 598 74

- 9 modules
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 16 A 2P+E - 250 V~ NFC pin configuration socket with safety shutter
- 1 x 32 A 3P+E - 380/415 V~ socket
- 3-pole 32 A MCB (Cat. No. 0 064 91 or 4 078 32)
- 2 x 20 A MCB (Cat. No. 0 064 69 or 4 077 85)
- 4-pole 63 A RCCB (Cat. No. 0 086 95 or 4 116 62)

###### Cat. No. 0 598 75

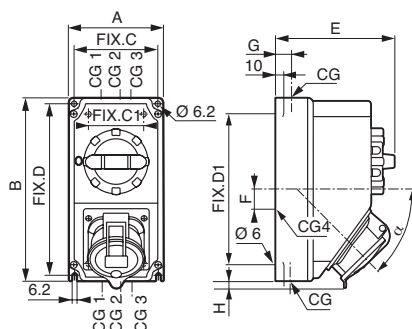
- 9 modules
- 1 x 16 A 2P+E - 200/250 V~ IEC pin configuration socket
- 1 x 16 A 2P+E - 250 V~ NFC pin configuration socket with safety shutter
- 1 x 16 A 3P+E - 380/415 V~ socket
- 3-pole 16 A MCB (Cat. No. 0 064 88 or 4 078 29)
- 2 x 20 A MCB (Cat. No. 0 064 69 or 4 077 85)
- 4-pole 40 A RCCB (Cat. No. 0 086 94 or 4 116 61)

# Hypra combined units IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/  
28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

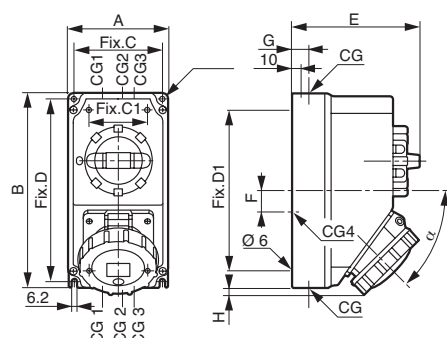
## 4. OVERALL DIMENSIONS

### IP 44 combined unit + switch



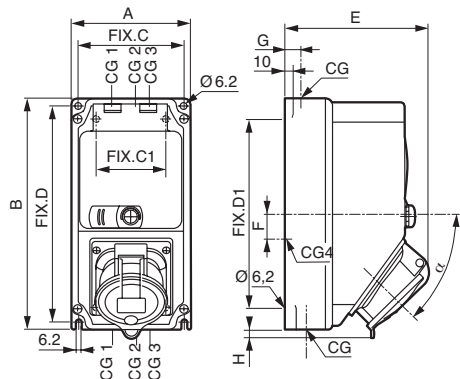
| Cat. No.    |        | A   | B   | C   | D   | C1  | D1  | E   | F  | G  | H    | ∞  | Knock-out entries for cable gland (CG) |     |             |      |  |
|-------------|--------|-----|-----|-----|-----|-----|-----|-----|----|----|------|----|----------------------------------------|-----|-------------|------|--|
|             |        |     |     |     |     |     |     |     |    |    |      |    | CG1                                    | CG2 | CG3         | CG4  |  |
| 16 A        |        |     |     |     |     |     |     |     |    |    |      |    |                                        |     |             |      |  |
| 0 592 00/03 | 2P+E   | 120 | 230 | 106 | 216 | 70  | 190 | 151 | 25 | 20 | 0    | 46 | M20/<br>M25                            |     | M20/<br>M25 | Ø 29 |  |
| 0 592 09    | 3P+E   |     |     |     |     |     |     |     |    |    | 0    |    |                                        |     |             |      |  |
| 0 592 16    | 3P+N+E |     |     |     |     |     |     |     |    |    | 1.5  |    |                                        |     |             |      |  |
| 32 A        |        |     |     |     |     |     |     |     |    |    |      |    |                                        |     |             |      |  |
| 0 592 43    | 2P+E   | 120 | 230 | 106 | 216 | 70  | 190 | 151 | 25 | 20 | 9    | 46 | M20/<br>M25                            |     | M20/<br>M25 | Ø 29 |  |
| 0 592 49    | 3P+E   |     |     |     |     |     |     |     |    |    | 9    |    |                                        |     |             |      |  |
| 0 592 56    | 3P+N+E |     |     |     |     |     |     |     |    |    | 10   |    |                                        |     |             |      |  |
| 32 A        |        |     |     |     |     |     |     |     |    |    |      |    |                                        |     |             |      |  |
| 0 592 34    | 3P+E   | 170 | 320 | 156 | 306 | 100 | 270 | 204 | 65 | 28 | 21.5 | 56 | M20/<br>M25                            | M25 | M20/<br>M32 | Ø 38 |  |
| 0 592 35    | 3P+N+E |     |     |     |     |     |     |     |    |    |      |    |                                        |     |             |      |  |

### IP 66/67-55 combined unit + switch



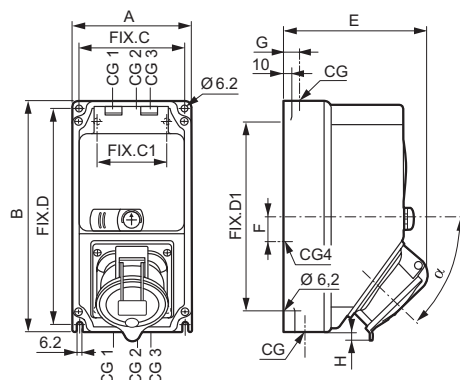
| Cat. No. |        | A   | B   | C   | D   | C1  | D1  | E   | F  | G  | H  | ∞  | Knock-out entries for cable gland (CG) |             |             |                      |  |
|----------|--------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----------------------------------------|-------------|-------------|----------------------|--|
|          |        |     |     |     |     |     |     |     |    |    |    |    | CG1                                    | CG2         | CG3         | CG4                  |  |
| 16 A     |        |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 0 592 60 | 2P+E   | 120 | 230 | 106 | 216 | 70  | 190 | 151 | 25 | 20 | 0  | 46 | M20/<br>M25                            |             | M20/<br>M25 | M25/<br>Ø 29         |  |
| 0 592 61 | 3P+E   |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 0 592 62 | 3P+N+E |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 32 A     |        |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 0 592 63 | 2P+E   | 120 | 230 | 106 | 216 | 70  | 190 | 152 | 25 | 20 | 8  | 46 | M20/<br>M25                            |             | M20/<br>M25 | M25/<br>Ø 29         |  |
| 0 592 64 | 3P+E   |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 0 592 65 | 3P+N+E |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 32 A     |        |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |
| 0 592 66 | 3P+E   | 170 | 320 | 156 | 306 | 100 | 270 | 204 | 65 | 28 | 18 | 56 | M20/<br>M25                            | M25/<br>M32 | M20         | M25/<br>M32/<br>Ø 38 |  |
| 0 592 67 | 3P+N+E |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |                      |  |

### IP 44 combined unit + protection device (or empty rail)



| Cat. No.    |        | A   | B   | C   | D   | C1  | D1  | E   | F  | G  | H    | ∞  | Knock-out entries for cable gland (CG) |             |             |      |     |
|-------------|--------|-----|-----|-----|-----|-----|-----|-----|----|----|------|----|----------------------------------------|-------------|-------------|------|-----|
|             |        |     |     |     |     |     |     |     |    |    |      |    | CG1                                    | CG2         | CG3         | CG4  |     |
| 16 A        |        |     |     |     |     |     |     |     |    |    |      |    |                                        |             |             |      |     |
| 0 592 01/02 | 2P+E   | 120 | 230 | 106 | 216 | 70  | 190 | 132 | 25 | 20 | 0    | 46 | M20/<br>M25                            | M20/<br>M25 | Ø 29        |      |     |
| 0 592 06/07 |        |     |     |     |     |     |     |     |    |    |      |    |                                        |             |             |      |     |
| 0 592 13/14 | 3P+E   |     |     |     |     |     |     | 134 |    |    |      |    |                                        |             |             |      |     |
| 0 592 18/19 | 3P+N+E |     |     |     |     |     |     | 138 |    |    |      |    |                                        |             |             |      | 1.5 |
| 32 A        |        |     |     |     |     |     |     |     |    |    |      |    |                                        |             |             |      |     |
| 0 592 46/47 | 2P+E   | 120 | 230 | 106 | 216 | 70  | 190 | 145 | 25 | 20 | 9    | 46 | M20/<br>M25                            | 9           | M20/<br>M25 | Ø 29 |     |
| 0 592 53/54 | 3P+E   |     |     |     |     |     |     |     |    |    |      |    |                                        |             |             |      |     |
| 0 592 58/59 | 3P+N+E |     |     |     |     |     |     | 148 |    |    |      |    |                                        |             |             |      |     |
| 32 A        |        |     |     |     |     |     |     |     |    |    |      |    |                                        |             |             |      |     |
| 0 592 39/79 | 3P+E   | 170 | 320 | 156 | 306 | 100 | 270 | 188 | 65 | 28 | 21.5 | 56 | M20/<br>M25                            | M25/<br>M32 | M20         | Ø 38 |     |
| 0 592 40    | 3P+N+E |     |     |     |     |     |     |     |    |    |      |    |                                        |             |             |      |     |

### Unit with Prisinter + protection device



| Cat. No.    |        | A   | B   | C   | D   | C1  | D1  | E   | F  | G  | H  | ∞  | Knock-out entries for cable gland (CG) |             |             |      |  |
|-------------|--------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----------------------------------------|-------------|-------------|------|--|
|             |        |     |     |     |     |     |     |     |    |    |    |    | CG1                                    | CG2         | CG3         | CG4  |  |
| 16 A        |        |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |      |  |
| 0 592 23/24 | 2P+E   | 170 | 320 | 156 | 306 | 100 | 270 | 195 | 65 | 28 | 0  | 56 | M20/<br>M25                            | M25/<br>M32 | M20         | Ø 38 |  |
| 0 592 25    | 3P+E   |     |     |     |     |     |     | 195 |    |    |    |    |                                        |             |             |      |  |
| 0 592 26    | 3P+N+E |     |     |     |     |     |     | 202 |    |    |    |    |                                        |             |             |      |  |
| 32 A        |        |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |      |  |
| 0 592 27    | 2P+E   | 170 | 320 | 156 | 306 | 100 | 270 | 145 | 65 | 28 | 0  | 56 | M20/<br>M25                            | M25/<br>M32 | M20         | Ø 38 |  |
| 0 592 28    | 3P+E   |     |     |     |     |     |     | 145 |    |    |    |    |                                        |             |             |      |  |
| 0 592 29    | 3P+N+E |     |     |     |     |     |     | 148 |    |    |    |    |                                        |             |             |      |  |
| 32 A        |        |     |     |     |     |     |     |     |    |    |    |    |                                        |             |             |      |  |
| 0 592 88    | 3P+E   | 170 | 320 | 156 | 306 | 100 | 270 | 225 | 65 | 28 | 20 | 56 | M20/<br>M25                            | M25/<br>M32 | M20         | Ø 38 |  |
| 0 592 89    | 3P+N+E | 230 | 370 | 216 | 356 | 150 | 300 | 246 | -  | 38 | 0  | 40 | M25/<br>M32                            | M20         | M25/<br>M32 | -    |  |

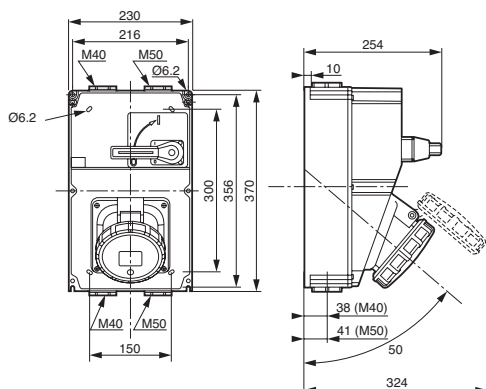
# Hypra combined units

## IP 44, 66/67-55

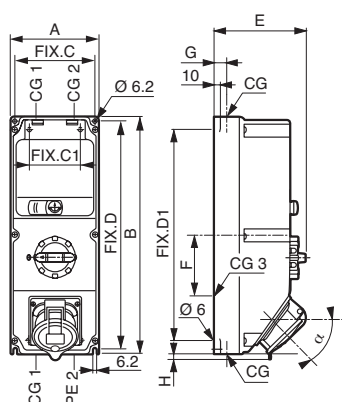
Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/65/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/12/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 4. OVERALL DIMENSIONS (continued)

Combined unit + isolating switch Cat. No. 0 591 14/15

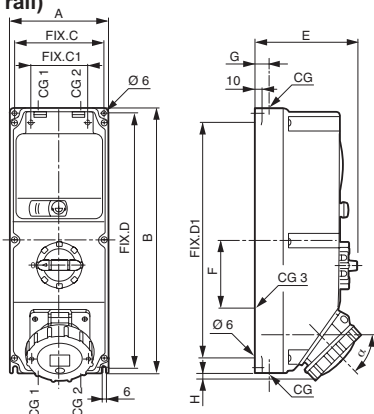


IP 44 unit with socket + switch + protection device (or empty rail)



| Cat. No.    |        | A   | B   | C   | D   | C1 | D1  | E   | F   | G  | H  | ∞  | Knock-out entries for cable gland (CG) |          |          |      |
|-------------|--------|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|----------------------------------------|----------|----------|------|
|             |        |     |     |     |     |    |     |     |     |    |    |    | CG1                                    | CG2      | CG3      |      |
| 16 A        |        |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 0 596 00    | 2P+E   | 140 | 370 | 126 | 356 | 74 | 330 | 151 | 95  | 20 | 0  | 46 | M20/ M25                               | M20/ M25 | Ø 29     |      |
| 0 596 10/01 |        |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 0 596 12/02 | 3P+E   |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 0 596 13/03 | 3P+N+E |     |     |     |     |    |     |     |     |    | 0  |    | 1.5                                    |          |          |      |
| 32 A        |        |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 0 596 15/05 | 2P+E   | 140 | 370 | 126 | 356 | 74 | 330 | 151 | 95  | 20 | 9  | 46 | 9                                      | M20/ M25 | M20/ M25 | Ø 29 |
| 0 596 17/07 | 3P+E   |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 0 596 18/08 | 3P+N+E |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 32 A        |        |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |
| 0 592 86/83 | 3P+E   | 160 | 470 | 146 | 456 | 90 | 420 | 204 | 125 | 28 | 20 | 56 | M25/ M32                               | M20/ M25 | Ø 38     |      |
| 0 592 85/84 | 3P+N+E |     |     |     |     |    |     |     |     |    |    |    |                                        |          |          |      |

IP 66/67-55 unit with socket + switch + protection device (or empty rail)



| Cat. No.    |        | A   | B   | C   | D   | C1 | D1  | E   | F   | G  | H      | ∞  | Knock-out<br>entries for cable<br>gland (CG) |             |                      |  |
|-------------|--------|-----|-----|-----|-----|----|-----|-----|-----|----|--------|----|----------------------------------------------|-------------|----------------------|--|
|             |        |     |     |     |     |    |     |     |     |    |        |    | CG1                                          | CG2         | CG3                  |  |
| 16 A        |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 60/50 | 2P+E   | 140 | 370 | 126 | 356 | 74 | 330 | 151 | 95  | 20 | 0      | 46 | M20/<br>M25                                  | M20/<br>M25 | M25/<br>Ø 29         |  |
| 0 596 61/51 |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 62/52 |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 63/53 | 3P+N+E |     |     |     |     |    |     |     |     |    | 0<br>2 |    |                                              |             |                      |  |
| 32 A        |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 65/55 | 2P+E   | 140 | 370 | 126 | 356 | 74 | 330 | 152 | 95  | 20 | 8      | 46 | M20/<br>M25                                  | M20/<br>M25 | M25/<br>Ø 29         |  |
| 0 596 67/57 |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 68/58 |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 68/58 | 3P+N+E |     |     |     |     |    |     | 156 |     |    | 12     |    |                                              |             |                      |  |
| 32 A        |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 69/59 | 3P+E   | 160 | 470 | 146 | 456 | 90 | 420 | 204 | 125 | 28 | 17     | 56 | M25/<br>M32                                  | M20/<br>M25 | M25/<br>M32/<br>Ø 38 |  |
| 0 596 70/81 |        |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |
| 0 596 70/81 | 3P+N+E |     |     |     |     |    |     |     |     |    |        |    |                                              |             |                      |  |

# Hypra combined units

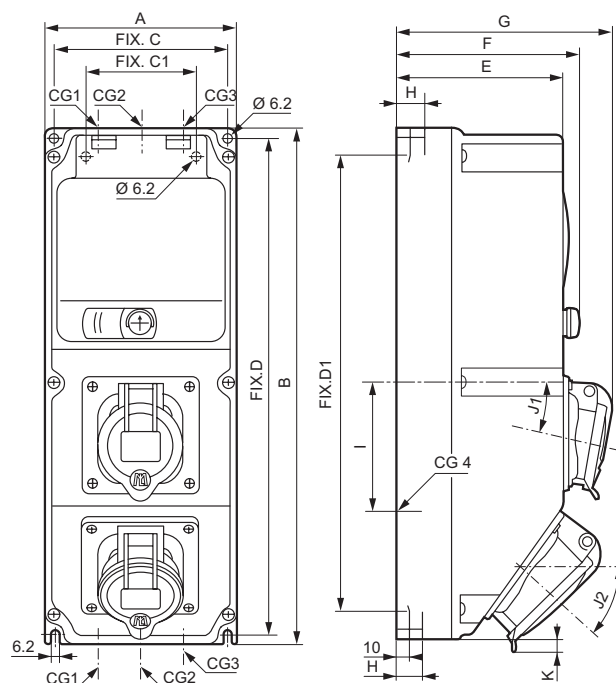
## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/65/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/12/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

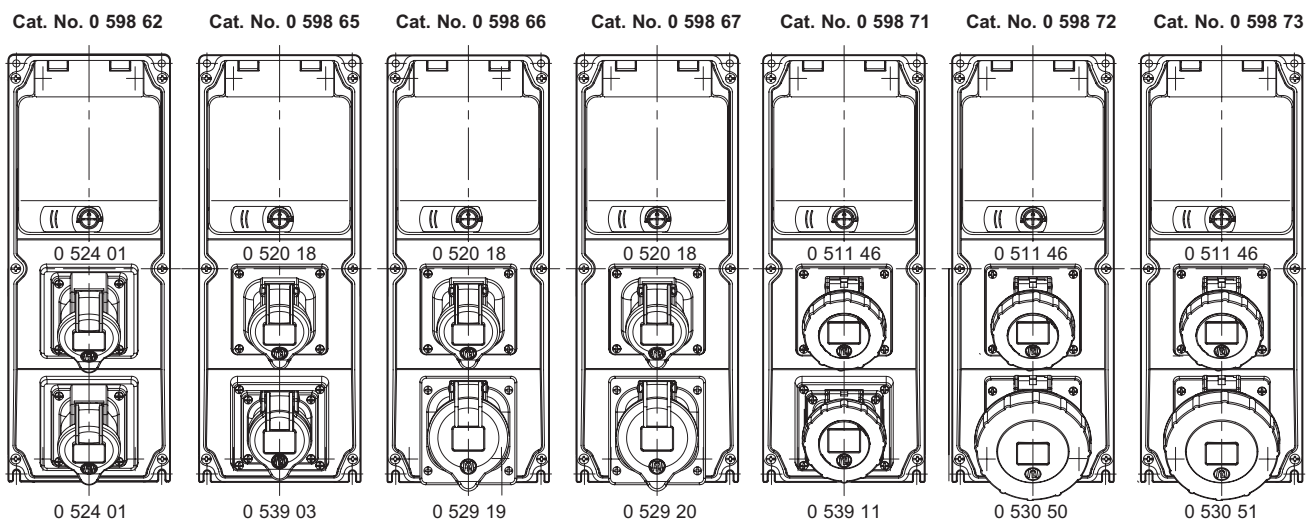
### 4. OVERALL DIMENSIONS (continued)

| Wired multi-socket units |     |     |        |         |        |         |     |     |     |    |     |     |     |      | Knockout cable entries for PG or ISO |     |           |         |
|--------------------------|-----|-----|--------|---------|--------|---------|-----|-----|-----|----|-----|-----|-----|------|--------------------------------------|-----|-----------|---------|
| IP 44                    |     |     |        |         |        |         |     |     |     |    |     |     |     |      |                                      |     |           |         |
| Cat. No.                 | A   | B   | Fix. C | Fix. C1 | Fix. D | Fix. D1 | E   | F   | G   | H  | I   | J1  | J2  | K    | CG1                                  | CG2 | CG3       | CG4     |
| 0 598 65                 | 140 | 370 | 126    | 74      | 356    | 330     | 120 | 132 | 155 | 20 | 95  | 10° | 46° | 0    | ISO 20/25                            | -   | ISO 20/25 | Ø 28    |
| 0 598 66                 |     |     |        |         |        |         |     |     |     |    |     |     |     | 7.5  |                                      |     |           |         |
| 0 598 67                 |     |     |        |         |        |         |     |     |     |    |     |     |     | 9.5  |                                      |     |           |         |
| 0 598 62                 | 160 | 470 | 146    | 90      | 456    | 420     | 173 | 185 | 213 | 28 | 140 | 20° | 56° | 3.5  | ISO 20/25                            | -   | ISO 20/25 | Ø 28/37 |
| IP 66/67 - 55            |     |     |        |         |        |         |     |     |     |    |     |     |     |      |                                      |     |           |         |
| 0 598 71                 | 140 | 370 | 126    | 74      | 356    | 330     | 120 | 132 | 158 | 20 | 95  | 10° | 36° | 18.5 | ISO 20/25                            | -   | ISO 20/25 | -       |
| 0 598 72                 |     |     |        |         |        |         |     |     |     |    |     |     | 46° | 16.5 |                                      |     |           |         |
| 0 598 73                 |     |     |        |         |        |         |     |     |     |    |     |     | 46° | 20   |                                      |     |           |         |

### Generic drawing of unit with 2 sockets



### Details of units with two sockets



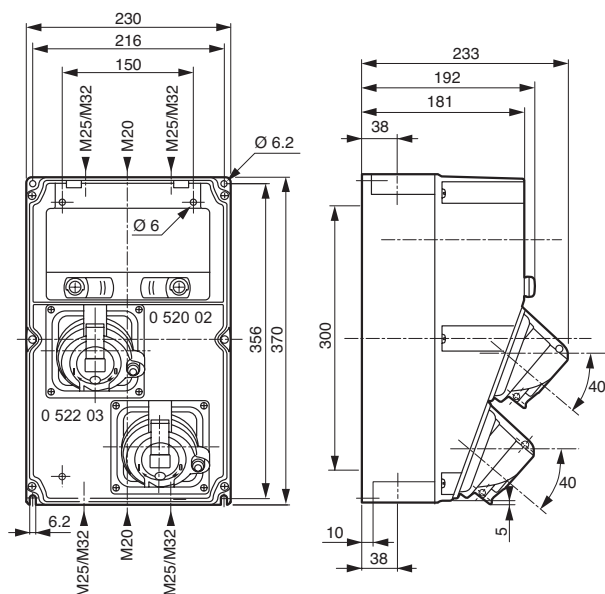


# Hypra combined units IP 44, 66/67-55

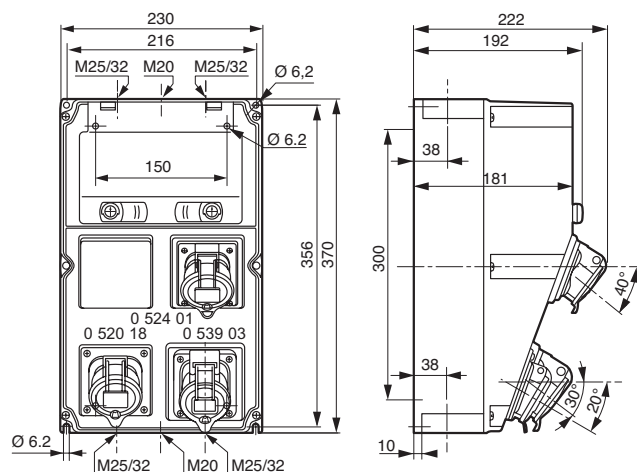
Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/  
28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

## 4. OVERALL DIMENSIONS (continued)

Cat. No. 0 598 64

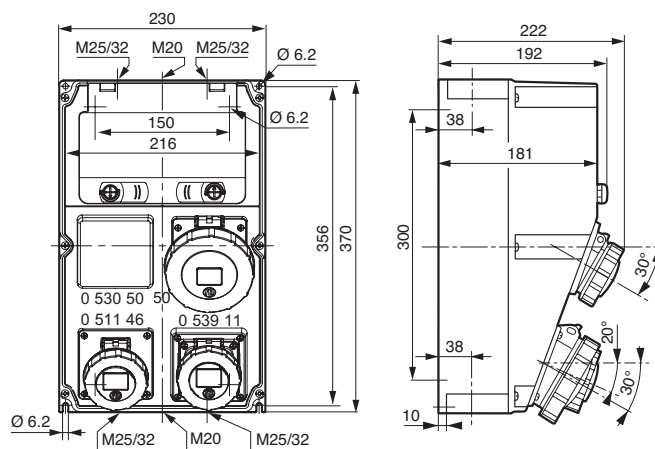


Unit with 3 sockets  
Cat. No. 0 598 61

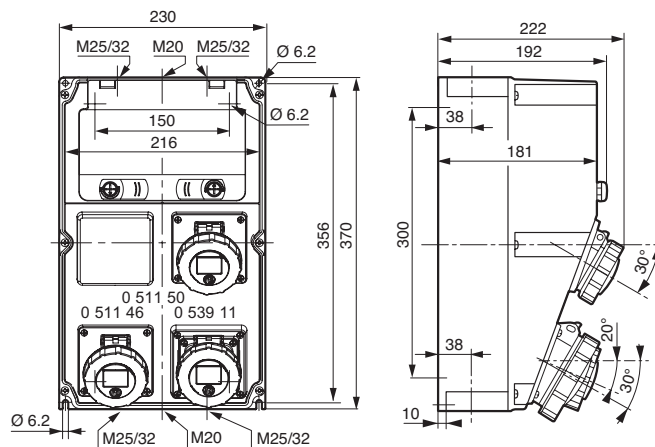


## 4. OVERALL DIMENSIONS (continued)

Cat. No. 0 598 74



Cat. No. 0 598 75



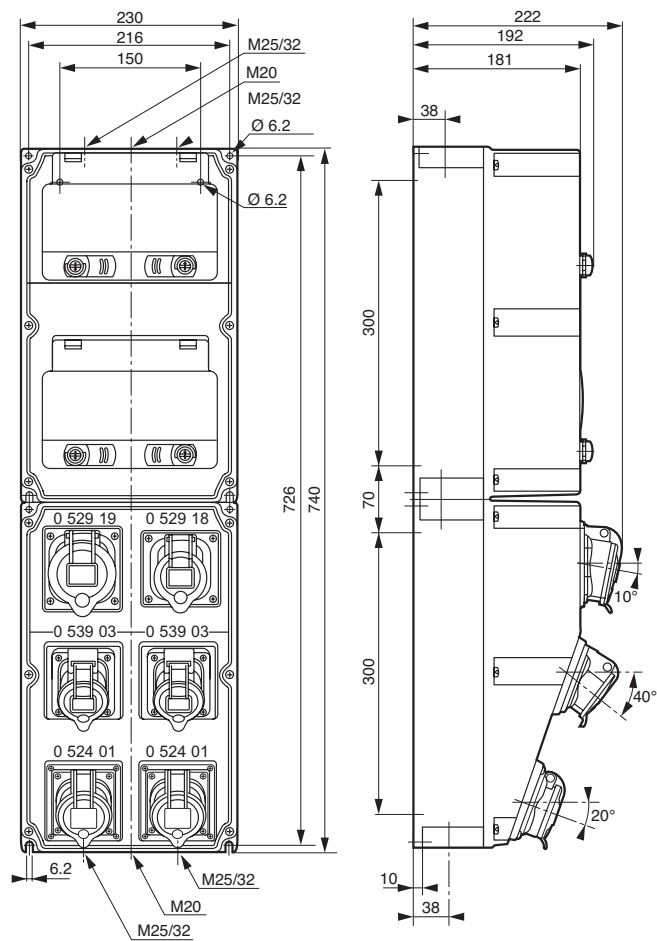
# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/  
28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

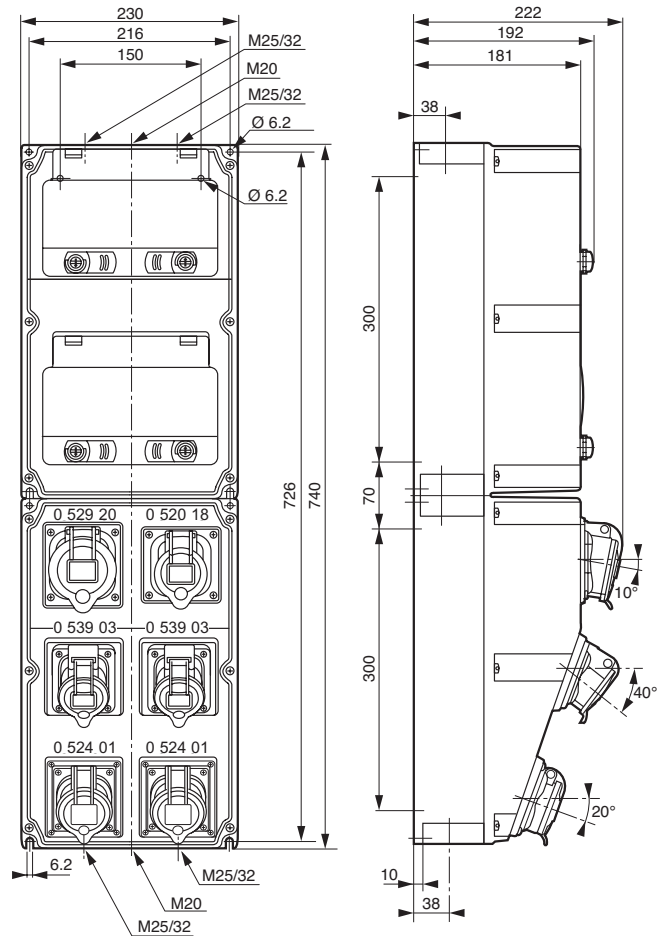
### 4. OVERALL DIMENSIONS (continued)

Cat. No. 0 598 63

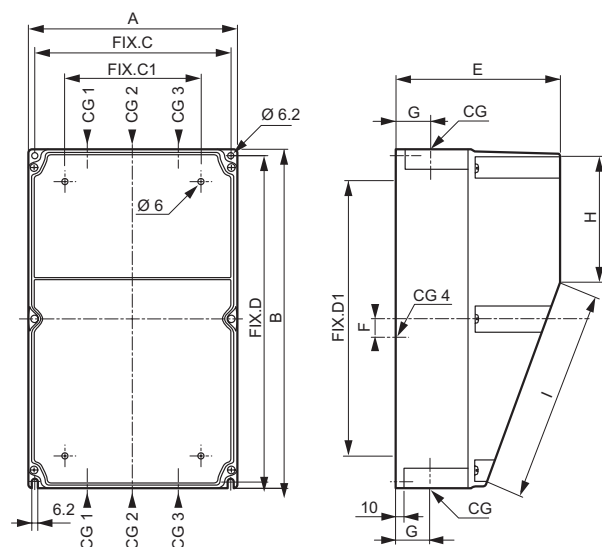


### 4. OVERALL DIMENSIONS (continued)

Cat. No. 0 598 70



### Undrilled units



| Cat. No. | A   | B   | C   | C1  | D   | D1  | E   | F  | G  | H   | I   | CG1     | CG2 | CG3     | CG4 |
|----------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|---------|-----|---------|-----|
| 0 598 41 | 120 | 230 | 106 | 70  | 216 | 190 | 120 | 25 | 20 | 110 | 90  | M20/M25 | -   | M20/M25 | M25 |
| 0 598 42 | 230 | 370 | 216 | 150 | 356 | 300 | 181 | -  | 38 | 120 | 220 | M25/M32 | M20 | M25/M32 | -   |
| 0 598 43 | 140 | 370 | 126 | 74  | 356 | 330 | 120 | 95 | 20 | 264 | 105 | M20/M25 | -   | M20/M25 | M25 |
| 0 598 44 | 230 | 370 | 216 | 150 | 356 | 300 | 181 | -  | 38 | 120 | 220 | M25/M32 | M20 | M25/M32 | -   |
| 0 598 45 | 230 | 740 | 216 | 150 | 726 | 670 | 181 | -  | 38 | 120 | 220 | M25/M32 | M20 | M25/M32 | -   |



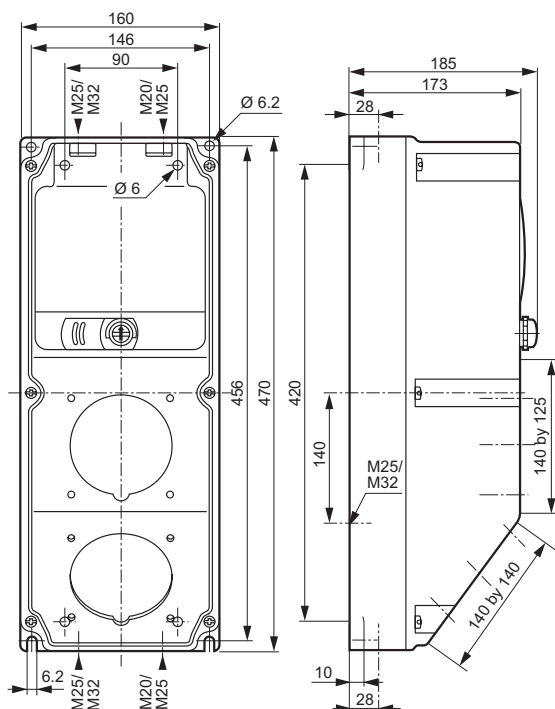
# Hypra combined units

## IP 44, 66/67-55

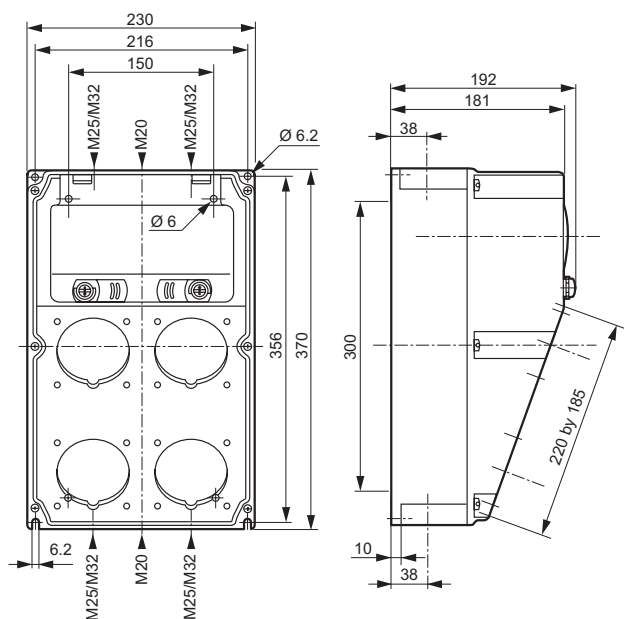
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28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 4. OVERALL DIMENSIONS (continued)

Pre-drilled unit - Cat. No. 0 598 46

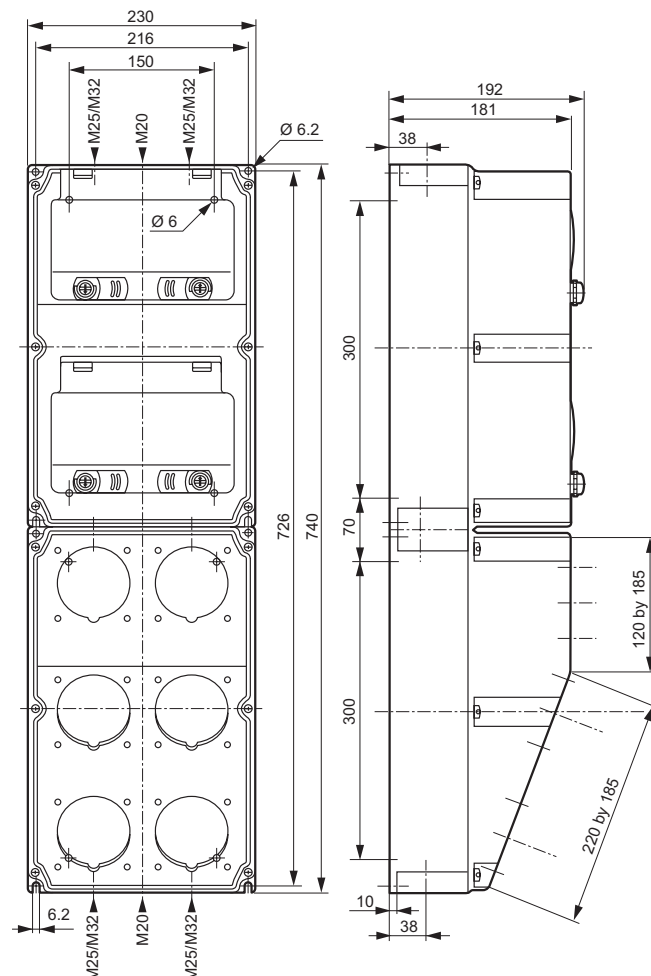


Pre-drilled unit - Cat. No. 0 598 47

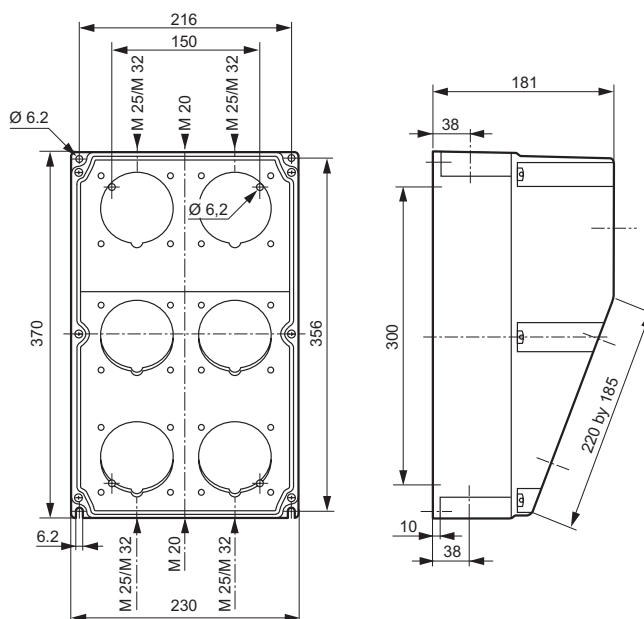


### 4. OVERALL DIMENSIONS (continued)

Pre-drilled unit - Cat. No. 0 598 48



Pre-drilled unit - Cat. No. 0 598 50



# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/65/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/12/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 5. CONNECTION AND PROTECTION DEVICES

#### 5.1 Connection of socket outlets

Cross-section of the cables inside the unit according to the current used:

- 16 A socket: ..... 2.5 mm<sup>2</sup>
- 32 A socket: ..... 6 mm<sup>2</sup>
- 63 A socket: ..... 16 mm<sup>2</sup>
- ELV socket: ..... 2.5 mm<sup>2</sup> at the primary  
..... 2.5 mm<sup>2</sup> at the secondary

NB: Wiring with pilot wire (see § 8):

The pilot wire is a control conductor associated with the power conductor.

Its interruption controls breaking of the power circuit via a contactor. This is an arrangement which provides an electrical response to the obligation to break circuits above 32 A (decree of 14/11/88). An additional (shorter) pin is therefore added to the various socket models to provide this "pilot wire" function.

#### 5.2 Connection of protection devices

| Copper cable                                                                                                                                                                                                                                                                                                                               | rigid | flexible |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|
| • DNX <sup>3</sup> and DX <sup>3</sup> PH + N, with or without RCD                                                                                                                                                                                                                                                                         | 16    | 10       |
| • DX <sup>3</sup> <span style="border: 1px solid black; padding: 0 2px;">4500</span> - 6 kA<br>DX <sup>3</sup> <span style="border: 1px solid black; padding: 0 2px;">6000</span> - 10 kA<br>DX <sup>3</sup> <span style="border: 1px solid black; padding: 0 2px;">10000</span> - 16 kA ≤ 63 A<br>and add-on earth leakage modules ≤ 63 A | 35    | 25       |
| • DX <sup>3</sup> <span style="border: 1px solid black; padding: 0 2px;">10000</span> - 16 kA 80 to 125 A                                                                                                                                                                                                                                  | 70    | 50       |
| • DX <sup>3</sup> 25 kA<br>≥ 32 A (C curve)<br>≥ 16 A (D curve)<br><br>DX <sup>3</sup> 36 kA, DX <sup>3</sup> 50 kA<br>and add-on earth leakage modules                                                                                                                                                                                    | 50    | 35       |
| Auxiliaries                                                                                                                                                                                                                                                                                                                                | 2.5   | 2.5      |
| Auto. terminals connection cross-section<br>• DNX <sup>3</sup> and DX <sup>3</sup> Ph + N                                                                                                                                                                                                                                                  | 4     | 4        |

#### 5.3 Types of protection device and number of modules

Upstream, Hypra equipped units or those to be equipped can integrate various types of modular protection device, depending on the catalogue number:

- MCB
- RCBO
- RCCB

**NB:** it is important to check, according to the required use, that protection against indirect contact (RCDs) and against overloads and short-circuits (MCBs) are both provided.

**Caution:** an RCCB does not provide protection against overloads and short-circuits.

**Short-circuit resistance:** for the short-circuit resistance of the modular circuit breakers (MCBs), RCBOs and RCCBs, refer to the performance pages for these products in the current Legrand catalogue.

#### Ratings for units equipped with RCCBs

| Ratings                                                                    | Sensitivity |
|----------------------------------------------------------------------------|-------------|
| - 16 A ..... 25 A RCCB<br>- 32 A ..... 40 A RCCB<br>- 63 A ..... 63 A RCCB | 30 mA       |

### 5. CONNECTION AND PROTECTION (continued)

#### 5.3 Types of protection device and number of modules (continued)

Details of the type of protection device and number of modules per single-socket unit.

| HYPR A<br>unit<br>Cat. No. | Type of protection device | Cat. No. |                          | Max.<br>no. of<br>modules |
|----------------------------|---------------------------|----------|--------------------------|---------------------------|
|                            |                           | MCB      | earth<br>leakage<br>mod. |                           |
| 0 592 06                   | MCB                       | 4 077 84 |                          | 5                         |
| 0 592 07                   | RCCB + MCB                | 4 115 04 | 4 077 84                 | 5                         |
| 0 592 13                   | MCB                       | 4 078 29 |                          | 5                         |
| 0 592 14                   | RCBO                      | 4 111 86 |                          | 5                         |
| 0 592 18                   | MCB                       | 4 078 98 |                          | 5                         |
| 0 592 19                   | RCBO                      | 4 111 86 |                          | 5                         |
| 0 592 24                   | RCBO                      | 4 111 58 |                          | 6                         |
| 0 592 25                   | RCBO                      | 4 111 86 |                          | 6                         |
| 0 592 26                   | RCBO                      | 4 111 86 |                          | 6                         |
| 0 592 28                   | RCBO                      | 4 111 89 |                          | 6                         |
| 0 592 29                   | RCBO                      | 4 111 89 |                          | 6                         |
| 0 592 39                   | MCB                       | 4 078 35 |                          | 6                         |
| 0 592 40                   | MCB                       | 4 079 04 |                          | 6                         |
| 0 592 46                   | MCB                       | 4 077 87 |                          | 5                         |
| 0 592 47                   | RCCB + MCB                | 4 115 05 | 4 077 87                 | 5                         |
| 0 592 53                   | MCB                       | 4 078 32 |                          | 5                         |
| 0 592 54                   | RCBO                      | 4 111 89 |                          | 5                         |
| 0 592 58                   | MCB                       | 4 079 01 |                          | 5                         |
| 0 592 59                   | RCBO                      | 4 111 89 |                          | 5                         |
| 0 592 83                   | MCB + earth leakage mod.  | 4 078 35 | 4 104 72                 | 6                         |
| 0 592 84                   | RCCB                      | 4 116 62 |                          | 6                         |
| 0 592 85                   | MCB                       | 4 079 04 |                          | 6                         |
| 0 592 86                   | MCB                       | 4 078 35 |                          | 6                         |
| 0 592 88                   | MCB + earth leakage mod.  | 4 078 35 | 4 104 72                 | 6                         |
| 0 592 89                   | RCCB + MCB                | 4 116 62 | 4 079 04                 | 9                         |
| 0 596 01                   | RCBO                      | 4 111 58 |                          | 6                         |
| 0 596 02                   | RCBO                      | 4 111 86 |                          | 6                         |
| 0 596 03                   | RCBO                      | 4 111 86 |                          | 6                         |
| 0 596 05                   | RCBO                      | 4 111 61 |                          | 6                         |
| 0 596 07                   | RCBO                      | 4 111 89 |                          | 6                         |
| 0 596 08                   | RCBO                      | 4 111 89 |                          | 6                         |
| 0 596 10                   | MCB                       | 4 077 84 |                          | 6                         |
| 0 596 12                   | MCB                       | 4 078 29 |                          | 6                         |
| 0 596 13                   | MCB                       | 4 078 98 |                          | 6                         |
| 0 596 15                   | MCB                       | 4 077 87 |                          | 6                         |
| 0 596 17                   | MCB                       | 4 078 32 |                          | 6                         |
| 0 596 18                   | MCB                       | 4 079 01 |                          | 6                         |
| 0 596 51                   | RCBO                      | 4 111 58 |                          | 6                         |
| 0 596 52                   | RCBO                      | 4 111 86 |                          | 6                         |
| 0 596 53                   | RCBO                      | 4 111 86 |                          | 6                         |
| 0 596 55                   | RCBO                      | 4 111 61 |                          | 6                         |
| 0 596 57                   | RCBO                      | 4 111 89 |                          | 6                         |
| 0 596 58                   | RCBO                      | 4 111 89 |                          | 6                         |
| 0 596 59                   | MCB + earth leakage mod.  | 4 078 35 | 4 104 72                 | 6                         |
| 0 596 60                   |                           | -        |                          | 6                         |
| 0 596 61                   | MCB                       | 4 077 84 |                          | 6                         |
| 0 596 62                   | MCB                       | 4 078 29 |                          | 6                         |
| 0 596 63                   | MCB                       | 4 080 16 |                          | 6                         |
| 0 596 65                   | MCB                       | 4 077 87 |                          | 6                         |
| 0 596 67                   | MCB                       | 4 078 32 |                          | 6                         |
| 0 586 68                   | MCB                       | 4 079 01 |                          | 6                         |
| 0 586 69                   | MCB                       | 4 078 35 |                          | 6                         |
| 0 596 70                   | MCB                       | 4 079 04 |                          | 6                         |
| 0 596 81                   | RCCB                      | 4 116 62 |                          | 6                         |

# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/  
28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 6. TECHNICAL FEATURES

#### Tests

##### 6.1 Glow wire test

Housing: 650°C

Live parts: 850°C

##### 6.2 Dielectric strength

2500 V if equipped with IEC sockets

2000 V if equipped with NFC sockets

##### 6.3 Usage temperature

• With mechanical interlock only: - 20°C/+ 100°C

• Equipped with RCCB: - 15°C/+ 40°C

• Equipped with MCB: - 15°C/+ 40°C

• Equipped with RCBO: - 5°C/+ 40°C

Derating of circuit breakers according to the ambient temperature:

A standard circuit breaker is set to operate at In at an ambient temperature of 30°C.

Its nominal features are modified according to the ambient temperature in the unit in which the circuit breaker is located.

For example: temperature derating table for DX<sup>3</sup> 6000 A/10 kA circuit breakers (Cat. No. 4 077 84)

| In (A) | Ambient Temperature/In |        |      |      |      |      |      |      |      |      |
|--------|------------------------|--------|------|------|------|------|------|------|------|------|
|        | - 25°C                 | - 10°C | 0    | 10°C | 20°C | 30°C | 40°C | 50°C | 60°C | 70°C |
| 0.5 A  | 0.62                   | 0.6    | 0.57 | 0.55 | 0.52 | 0.5  | 0.47 | 0.42 | 0.40 | 0.38 |
| 1 A    | 1.5                    | 1.4    | 1.3  | 1.2  | 1.1  | 1    | 0.9  | 0.8  | 0.7  | 0.6  |
| 1.5 A  | 1.9                    | 1.8    | 1.7  | 1.7  | 1.6  | 1.5  | 1.5  | 1.4  | 1.4  | 1.3  |
| 2 A    | 2.8                    | 2.6    | 2.5  | 2.3  | 2.2  | 2    | 2    | 1.9  | 1.8  | 1.7  |
| 3 A    | 3.8                    | 3.6    | 3.5  | 3.3  | 3.2  | 3    | 2.9  | 2.8  | 2.7  | 2.6  |
| 3.5 A  | 4.5                    | 4.2    | 4.0  | 3.9  | 3.7  | 3.5  | 3.4  | 3.3  | 3.2  | 3.1  |
| 5 A    | 6.4                    | 6.0    | 5.8  | 5.5  | 5.3  | 5.0  | 4.8  | 4.7  | 4.5  | 4.6  |
| 6 A    | 7.5                    | 7.0    | 6.6  | 6.4  | 6.2  | 6.0  | 5.8  | 5.6  | 5.4  | 5.3  |
| 10 A   | 12.5                   | 11.5   | 11.1 | 10.7 | 10.3 | 10.0 | 9.7  | 9.3  | 9.0  | 8.7  |
| 13 A   | 16.3                   | 15.0   | 14.3 | 13.9 | 13.4 | 13.0 | 12.6 | 12.1 | 11.7 | 11.3 |
| 16 A   | 20.0                   | 18.7   | 18.0 | 17.3 | 16.6 | 16.0 | 15.4 | 14.7 | 14.1 | 13.5 |
| 20 A   | 25.0                   | 23.2   | 22.4 | 21.6 | 20.8 | 20.0 | 19.2 | 18.4 | 17.6 | 16.8 |
| 25 A   | 31.5                   | 29.5   | 28.3 | 27.2 | 26.0 | 25.0 | 24.0 | 22.7 | 21.7 | 20.7 |
| 30 A   | 38.3                   | 36.0   | 34.5 | 33.0 | 31.5 | 30.0 | 28.8 | 27.3 | 26.1 | 24.9 |
| 32 A   | 41.0                   | 37.8   | 36.5 | 34.9 | 33.3 | 32.0 | 30.7 | 29.1 | 27.8 | 26.5 |
| 40 A   | 51.0                   | 48.0   | 46.0 | 44.0 | 42.0 | 40.0 | 38.0 | 36.0 | 34.0 | 32.0 |
| 50 A   | 64.0                   | 60.0   | 57.5 | 55.0 | 52.5 | 50.0 | 47.5 | 45.0 | 42.5 | 40.0 |
| 63 A   | 80.6                   | 75.6   | 72.5 | 69.9 | 66.1 | 63.0 | 59.8 | 56.1 | 52.9 | 49.7 |

### 6. TECHNICAL FEATURES (continued)

#### 6.4. Resistance to chemicals

| Chemicals                             | Plastic |
|---------------------------------------|---------|
| Acetaldehyde                          | ++++    |
| Acetic acid                           | --      |
| Ammonia 10%                           | ++++    |
| Benzene                               | ++++    |
| Benzol                                | --      |
| Bleach                                | -       |
| Bromine                               | --      |
| Butanol                               | +++     |
| Carbon tetrachloride                  | --      |
| Chloroform                            | ++++    |
| Chromic acid 50%                      | --      |
| Citric acid                           | ++++    |
| Cream                                 | ++++    |
| Cresols                               | --      |
| Diesel oils (20, 30, 40, 50)          | ++++    |
| Distilled water                       | ++++    |
| Domestic fuel oil                     | ++++    |
| Dry chlorine                          | --      |
| Ethanol                               | ++++    |
| Ether                                 | ++++    |
| Ethyl acetate                         | ++++    |
| Formic acid                           | --      |
| Fruit juice                           | ++++    |
| Fuel oil                              | ++++    |
| Glucose                               | ++++    |
| Glycerine                             | ++++    |
| Heptane                               | ++++    |
| Hydraulic oils                        | ++++    |
| Hylene                                | ++++    |
| Kerosene                              | ++++    |
| Lactic acid                           | +++     |
| Lard                                  | ++++    |
| Lime                                  | ++++    |
| Liquid propane                        | ++++    |
| Lubricating oils (1, 2, 3, 5A, 5B, 6) | ++++    |
| Methanol                              | +++     |
| Molasses                              | ++++    |
| Nitric acid 20%                       | --      |
| Nitrobenzene                          | +++     |
| Olive oil                             | ++++    |
| Paraffin                              | ++++    |
| Perchloric acid                       | --      |
| Petroleum                             | ++++    |
| Phenol 10%                            | --      |
| Potassium bicarbonate                 | ++++    |
| Potassium chlorate                    | -       |
| Potassium permanganate                | --      |
| Salt water                            | ++++    |
| Seawater                              | ++++    |
| Silicone                              | ++++    |
| Silver nitrate                        | ++++    |
| Sodium bicarbonate                    | ++++    |
| Sodium chlorate                       | --      |
| Sulphuric acid <10%                   | -       |
| Toluene                               | ++++    |
| Turpentine                            | +++     |
| Uric acid                             | ++++    |
| Vinyl chloride                        | ++++    |
| Whisky and wine                       | ++++    |
| Zinc chloride                         | ++++    |
| Zinc sulphate                         | ++++    |

++++ : Excellent resistance  
- : Limited resistance

+++ : Good resistance  
-- : Poor resistance

# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/  
28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/6  
5/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/1  
2/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/  
81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 6. TECHNICAL FEATURES *(continued)*

#### 6.5 UV resistance

No change of colour or deterioration of the material according to the test described below:

Duration of the test: 168 hours

Infrared and ultraviolet filter to be as similar as possible to the solar spectrum

#### 6.6 Ageing test

No change of colour or deterioration of the material according to the test described below: 7 days at + 80°C

#### 6.7 Resistance to harsh environments (IP66/67 - 55)

##### Resistance to industrial cleaning procedures:

##### high pressure pre-wash/wash with detergent/high pressure - high temperature wash

The other settings are identical to those of the degreasing pre-wash test.

**Result:** all the products tested have successfully passed the tests with detergents according to the specifications given above.

→ **Degreasing pre-wash test:** test conducted with a high pressure device set between 70 and 90 bars.

Hot water between 70 and 80°C.

Spraying from a distance of 50 cm for one minute with no direct application on the product being tested.

→ **Cleaning with detergent:** two detergents are applied: Galorox acid and Galorox 3%.

Each detergent is sprayed all round the product for 10 seconds. The detergent is then left to take effect for 30 minutes.

→ **Wash:** high pressure device set between 110 and 120 bars.

Spraying of hot water between 70 and 80°C.

The other settings are identical to those of the degreasing pre-wash test.

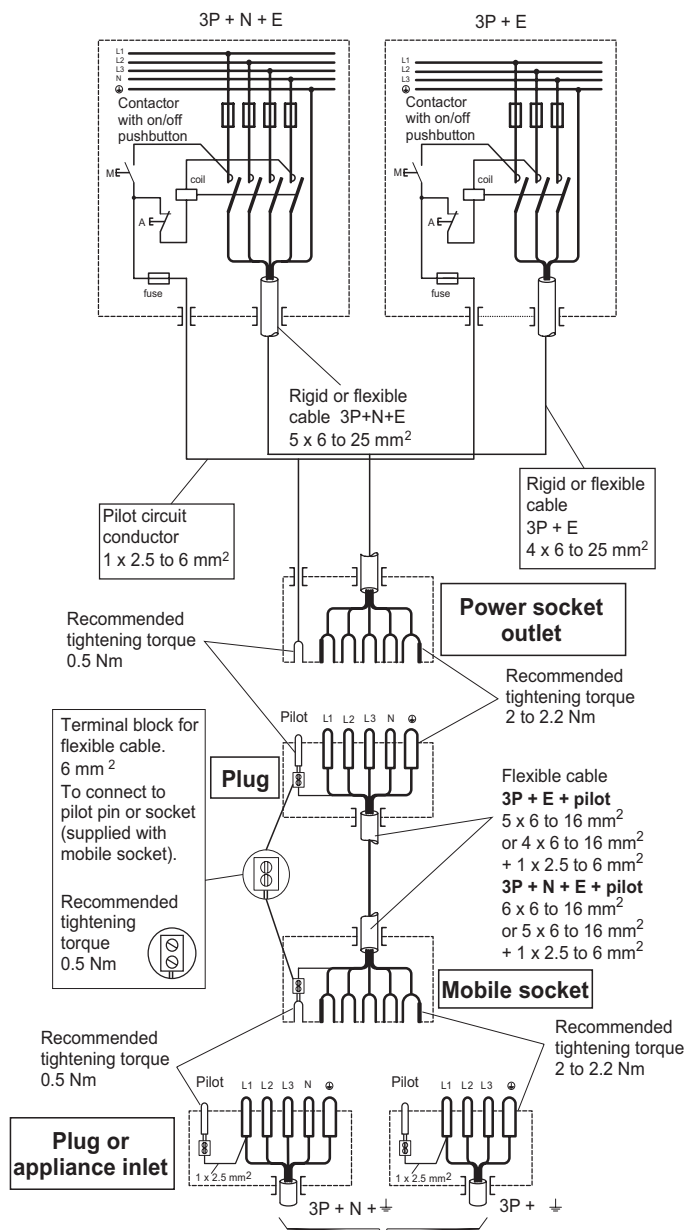
**Result:** all the products tested have successfully passed the tests with detergents according to the specifications given above.

### 7. STANDARDS AND REGULATIONS

- IEC 60 309.1 and NF EN 60 309.1 (design rules)
- IEC 60 309.2 and NF EN 60 309.2 (dimensional interchangeability requirements)
- NF EN 60 439.1 (rules for combined units)
- IEC 62 262 and NF EN 62 262 (IK)
- IEC 60 529 and NF EN 60 529 (IP)
- Decree of 14/11/88 (safety of workers)

### 8. WIRING DIAGRAM

#### 8.1 Example of diagram with pilot wire (0 592 39/40/79)



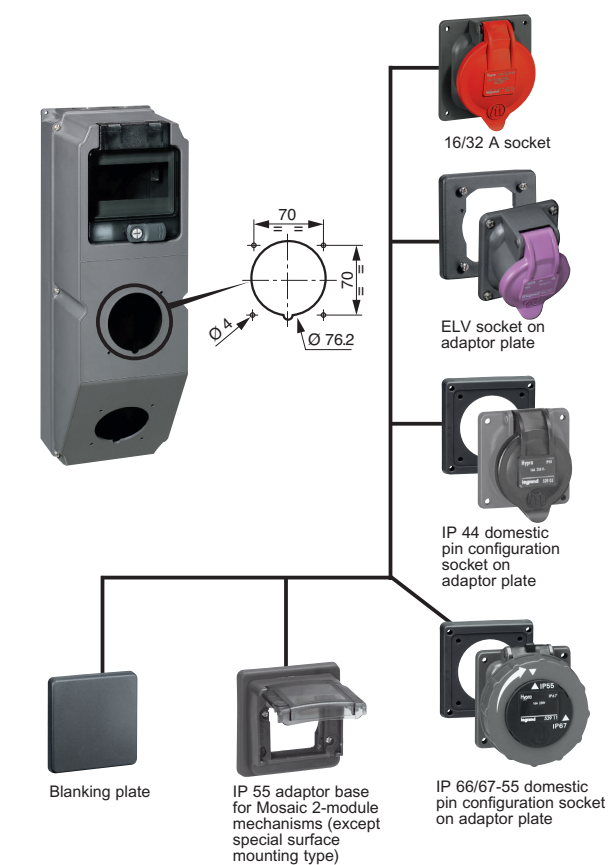
# Hypra combined units

## IP 44, 66/67-55

Catalogue number(s): 0 591 14/15 - 0 592 00/03/06/07/09/13/14/16/18/19/24/25/26/28/29/34/35/39/40/43/46/47/49/53/54/56/59/60/61/62/63/64/65/66/67/79/83/84/85/86/88/89 - 0 596 01/02/03/05/07/08/10/12/13/15/17/18/51/52/53/55/57/58/59/60/61/62/63/67/68/69/70/81/95 - 0 598 41/42/43/44/45/46/47/48/49/50/62/64/65/66/67

### 9. ACCESSORIES FOR COMBINED UNITS

For fast, adaptable installation, create your unit to suit your own specific requirements, combining panel mounting sockets (with standard fixing centres) with pre-drilled units and accessories on undrilled or pre-drilled units.



**Cat. No. 0 521 18**  
Adaptor plate for IP 44 and IP 66/67-55 domestic sockets



**Cat. No. 0 521 19**  
Adaptor plate for ELV sockets



**Cat. No. 0 521 24**  
Blanking plate



**Cat. No. 0 539 49**  
IP 55 adaptor base for Mosaic mechanisms (except surface mounting type)

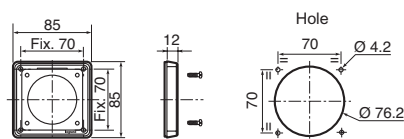


**Cat. No. 0 017 66**  
850 key lock

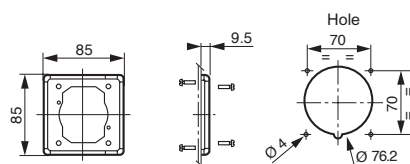


**Cat. No. 0 521 95**  
Bag of screws and nuts

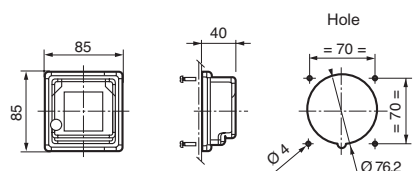
#### Cat. No. 0 521 18



#### Cat. No. 0 521 19

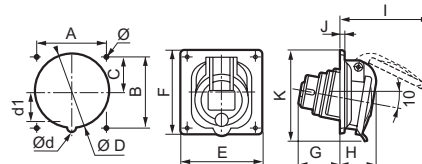


#### Cat. No. 0 539 49



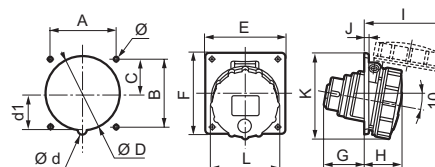
#### Dimensions of panel mounting sockets (70 x 70)

##### IP 44 panel mounting socket



|                    | Weight (kg) | A  | B  | C  | Ø D  | Ø d | d1 | E  | F  | G  | H  | I   | J   | K   | Ø   |
|--------------------|-------------|----|----|----|------|-----|----|----|----|----|----|-----|-----|-----|-----|
| <b>16 A</b>        |             |    |    |    |      |     |    |    |    |    |    |     |     |     |     |
| <b>2 P + ⊥</b>     | 0.110       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 84 | 37 | 36 | 89  | 4.5 | 88  | 4.2 |
| <b>3 P + ⊥</b>     | 0.140       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 84 | 43 | 36 | 97  | 4.5 | 89  | 4.2 |
| <b>3 P + N + ⊥</b> | 0.165       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 84 | 43 | 37 | 106 | 4.5 | 91  | 4.2 |
| <b>32 A</b>        |             |    |    |    |      |     |    |    |    |    |    |     |     |     |     |
| <b>2 P + ⊥</b>     | 0.220       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 94 | 54 | 45 | 117 | 4.5 | 100 | 4.2 |
| <b>3 P + ⊥</b>     | 0.220       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 94 | 54 | 45 | 117 | 4.5 | 100 | 4.2 |
| <b>3 P + N + ⊥</b> | 0.255       | 70 | 70 | 35 | 76.2 | 8   | 36 | 84 | 94 | 54 | 46 | 125 | 4.5 | 102 | 4.2 |

##### IP 66/67-55 panel mounting socket



|                    | Weight (kg) | A  | B  | C  | Ø D  | Ø d | d1 | E  | F  | G  | H  | I   | J   | K   | L    | Ø   |
|--------------------|-------------|----|----|----|------|-----|----|----|----|----|----|-----|-----|-----|------|-----|
| <b>16 A</b>        |             |    |    |    |      |     |    |    |    |    |    |     |     |     |      |     |
| <b>2 P + ⊥</b>     | 0.140       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 84 | 42 | 39 | 83  | 4.5 | 90  | 72.5 | 4.2 |
| <b>3 P + ⊥</b>     | 0.165       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 84 | 43 | 41 | 98  | 4.5 | 93  | 81   | 4.2 |
| <b>3 P + N + ⊥</b> | 0.195       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 84 | 43 | 41 | 99  | 4.5 | 91  | 86.5 | 4.2 |
| <b>32 A</b>        |             |    |    |    |      |     |    |    |    |    |    |     |     |     |      |     |
| <b>2 P + ⊥</b>     | 0.240       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 94 | 54 | 50 | 113 | 4.5 | 101 | 94.5 | 4.2 |
| <b>3 P + ⊥</b>     | 0.240       | 70 | 70 | 35 | 76.2 | -   | -  | 84 | 94 | 54 | 50 | 113 | 4.5 | 101 | 94.5 | 4.2 |
| <b>3 P + N + ⊥</b> | 0.270       | 70 | 70 | 35 | 76.2 | 8   | 36 | 84 | 94 | 54 | 51 | 120 | 4.5 | 103 | 101  | 4.2 |