



reddot design award  
winner 2008

**G\* GRASS®**

**SENSOTRONIC**

The unique, fully electronically controlled system for  
Nova Pro drawers and pull-outs.



# Grass Sensotronic

## Intelligent movement

### Sensotronic

#### Performance features:

- The drawer can be opened by tapping or pulling; a gentle nudge is sufficient
- The door is closed by tapping
- Tapping determines the direction of travel, the drawer automatically performs the movement – no effort is required (in contrast, electromechanical solutions do not have power-assisted closure)
- Can be used with or without handle (the drawer reacts in accordance with the application)
- Blockage recognition over the entire distance – in both directions
- Anti-collision protection (no collision of drawers e.g. in the case of diagonal corners); drawers can communicate with one another
- Drawer follows a speed profile: Uniform opening and closing speed irrespective of drawer weight
- Transport-assisted solution (heavy loads are moved by a drive over the entire distance in both directions).
- Soft stop at end position: When opened, the drawer moves softly into its end position
- Cushioned closure: Drawer closes softly
- Optimal side stability
- Inset drawer logic: Inset drawer stops before reaching the extended drawer and can be closed again by tapping the drawer



## Planning guide at a glance.

### For the cabinet and drawer

- Provide switchable power outlets
- Choose the required front gap (3 mm)
- The screw positions for the cabinet member are the same as for the standard Nova Pro cabinet member

### For the electronics

- Include country-specific power cord when ordering
- Power supply unit has a range of 5 m up to the last connected cabinet member without loss

- of performance
- Up to 22 drawers can be connected to one power supply unit
  - If the stated range is exceeded or if the kitchen layout includes an island, an additional power supply unit must be provided

### Operating conditions

Temperature: 0° to +50°C  
Humidity: 15% to 90%



Drawer slides and drawer sides

Sensotronic Tipmatic Plus

Railing systems

Add-on systems

Inset drawer

Steel back panel  
Side stabilising device

Drawer organizing sets

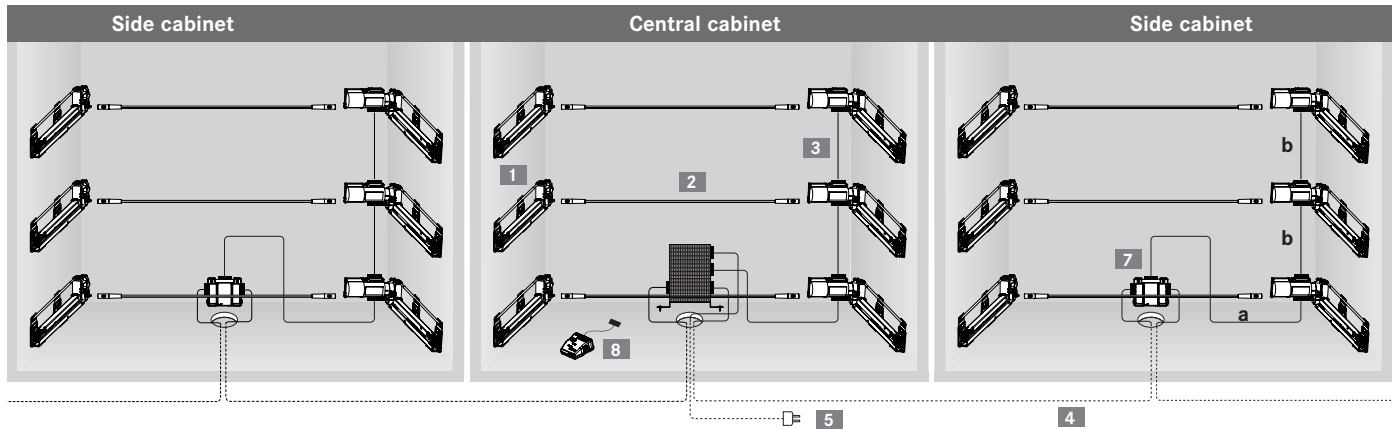
Accessories

Installation  
Installation jigs

Drilling and insertion machines

# Grass Sensotronic

## Example



- 1** Drawer slide
  - 2** Drive shaft
  - 3** Vertical cable
  - 4** Horizontal cable
  - 5** Power cord
  - 6** Power unit
  - 7** Distributor
  - 8** Dongle
- (a) Vertical cable (min) = 350 mm  
 (b) Vertical cable (min) = Front height - 40 mm

| Ordering example |                               |                        |   |
|------------------|-------------------------------|------------------------|---|
|                  |                               | Number in pcs. / pairs | Item No.                                  |
| <b>1</b>         | Drawer slides (e.g. NL 500)   | 9                      | 69718-04                                  |
| <b>2</b>         | Drive shafts                  | 9                      | 70053-04                                  |
|                  | Drive shaft connector         | 18                     | 68528-39                                  |
| <b>3</b>         | Vertical cable                | 9                      | 70073-04                                  |
| <b>6</b>         | Power supply unit             | 1                      | 68518-04                                  |
| <b>7</b>         | Distributor                   | 2                      | 68519-04                                  |
| <b>4</b>         | Horizontal cable (L: 1200 mm) | 2                      | 70062-04                                  |
| <b>5</b>         | Power cord                    | 1                      | see table for country-specific power cord |
| <b>8</b>         | Dongle                        | 1                      | 70000-04                                  |

|                     |              |                 |              |                   |              |
|---------------------|--------------|-----------------|--------------|-------------------|--------------|
| Round railing       | page 26 - 27 | Nova Pro Spirit | page 34 - 35 | Installation      | page 63 - 69 |
| Rectangular railing | page 28 - 31 | Ino(x)sys       | page 44 - 45 | Installation jigs | page 75 - 78 |

## Overview of range.

| 1 Sensotronic   |                       |
|-----------------|-----------------------|
| Nominal length  | for side height 90 mm |
| 270 mm (40 kg)  | 69700-94              |
| 300 mm (40 kg)  | 69703-94              |
| 350 mm (40 kg)  | 69706-94              |
| 400 mm (70 kg)  | 69709-94              |
| 450 mm (70 kg)  | 69712-94              |
| 500 mm (70 kg)  | 69718-94              |
| 550 mm (70 kg)  | 69721-94              |
| 600 mm (70 kg)  | 69724-94              |
| 650 mm (70 kg)  | 69727-94              |
| <b>PU = 1/4</b> |                       |

| 2 Drive Shafts        | Item No. |
|-----------------------|----------|
| 600 mm                | 70051-04 |
| 800 mm                | 70052-04 |
| 900 mm                | 70053-04 |
| 1000 mm               | 70054-04 |
| 1200 mm               | 70055-04 |
| <b>PU 10</b>          |          |
| Drive Shaft Connector | 68528-39 |
| <b>PU 20</b>          |          |

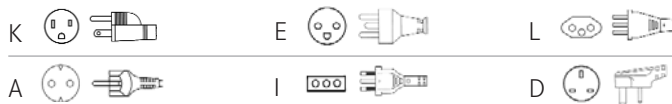
| 3 Wiring vertical   |          | Item No. |
|---------------------|----------|----------|
| 200 mm              |          | 70071-04 |
| 250 mm              |          | 70072-04 |
| 350 mm              |          | 70073-04 |
| 450 mm              |          | 70074-04 |
| 650 mm              |          | 70076-04 |
| 4 Wiring horizontal | OCW      | Item No. |
| 900 mm              | 600 mm   | 70061-04 |
| 1200 mm             | 900 mm   | 70062-04 |
| 1500 mm             | 1200 mm  | 70063-04 |
| 3000 mm             | 70065-04 |          |
| <b>PU 10</b>        |          |          |

| 6 Power supply unit | Item No. |
|---------------------|----------|
| <b>PU 1/10</b>      | 68518-04 |

| 7 Distributor  | Item No. |
|----------------|----------|
| <b>PU 1/10</b> | 68519-04 |

| 8 Dongle       | Item No. |
|----------------|----------|
| <b>PU 1/10</b> | 70000-04 |

| 5 Country-specific power cord |                         |          |
|-------------------------------|-------------------------|----------|
|                               | Countries (examples)    | Item No. |
| K                             | USA                     | 69760-04 |
| A                             | D, ES, F, NL, RUS       | 69761-04 |
| E                             | DK                      | 69763-04 |
| I                             | Italy                   | 69764-04 |
| L                             | Switzerland             | 69765-04 |
| D                             | UK, UAE, IRL            | 69766-04 |
|                               | Power cord without plug | 69767-04 |
| <b>PU 10</b>                  |                         |          |



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