

**Hella:**

***modular switches***



*Ideas today for  
the cars of tomorrow*

# New modular switch generation 4100 from Hella.

*This new generation of modular switches has been specially designed for use in trucks, cars, construction and agricultural machinery, as well as in special vehicles.*

*The new switch range is extremely user-friendly, thanks to the flexibility offered when deciding where to install the switches within the vehicle cabin.*

## Strengths of the product range:

### ■ Modular switch design

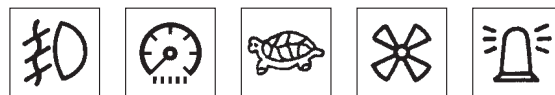


### ■ Realisation of a wide range of different switch functions 12 V / 24 V

- Make contact / Changeover contact
- Momentary contact / Maintained contact
- Blocking function
- Hazard light switch



### ■ Wide range of standard and customer-specific symbols



### ■ Direct, reliable and long-term illumination of the symbols thanks to use of up to 4 LED light sources

- Simple installation either directly using the installation opening or using the modular installation frame
- Tell-tale lights in same design for safety-related feedback
- Modern and timeless design
- Pleasant haptics (ergonomic addressing of the senses)



# Accessories:

## Installation frame:

A new-design modular system allows all installation configuration possibilities to be realised.

Tell-tale lights:

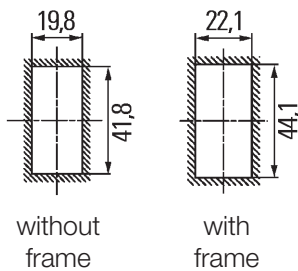
For safety-related or special applications, a reliable additional tell-tale is available which provides remote information about the switching state.

Detailed information including ordering instructions can be found under [www.hella.de/modulschalter](http://www.hella.de/modulschalter) or [www.hella.com/rockerswitch](http://www.hella.com/rockerswitch).

## Technical details:

<b>Installation opening</b>	.....19.8 mm x 41.8 mm
<b>Rocker material</b>	.....PC transparent, painted
<b>Base material</b>	.....PA white, housing PA black
<b>Terminal contacts</b>	.....3 mm Junior Power Timer
<b>Coating of switch contacts</b>	.....AgNi
<b>Plug-type connection</b>	.....silver-plated
<b>Light source</b>	..max. 4 LEDs: 2 x location lighting, green .....2 x functional lighting, red
<b>Symbol type</b>	.....lasered according to catalogue or .....customer-specific in dxf format
<b>Service life</b>	.....5 mA / 450,000 cycles (Ag gal Au) .....5 A / 24 V inductive, 270,000 cycles .....4 A / 24 V bulb (75 W) / 90,000 cycles .....10 A/24 V resistive / 80,000 cycles
<b>Impermeability</b>	.....IP 30
<b>Operating temperature</b>	.....- 40°...+85 °C
<b>Storage temperature</b>	.....- 40°...+100 °C
<b>Dashboard thickness</b>	..in the case of direct installation ..... of switch: 2 mm

### Installation opening

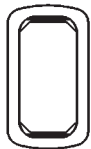


### Receptacle housing

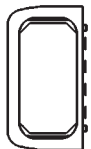


8JD 010 076-002/-007

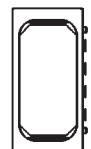
### Installation frame



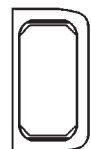
Individual frame **9AR 168 396-002/-007**



End piece, left **9AR 169 209-002/-007**



Middle piece **9AR 169 208-002/-007**

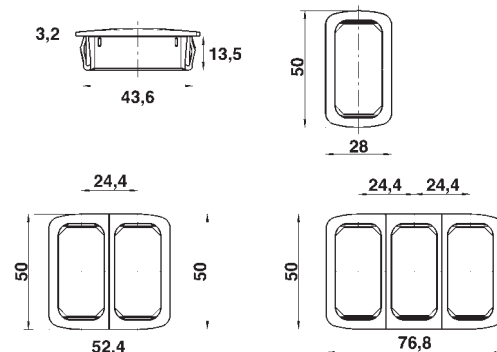


End piece, right **9AR 169 210-002/-007**



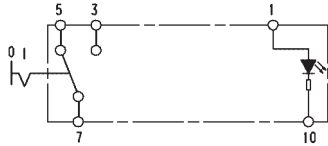
### Installation frame

Dimensions of installation frame in mm

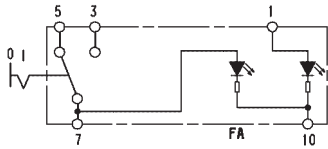


## Changeover contact, maintained contact, 1-pole

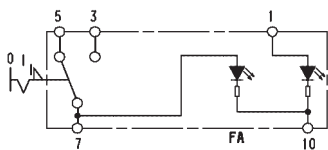
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale: none



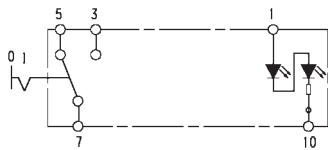
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale:  
1 x internal



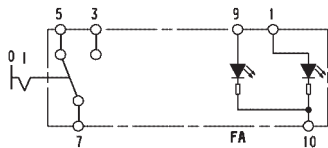
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale:  
1 x internal, block



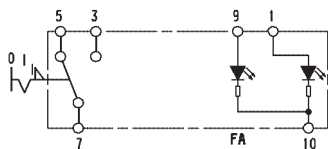
1-stage,  
Symbol lighting: 2 x,  
Function tell-tale: none



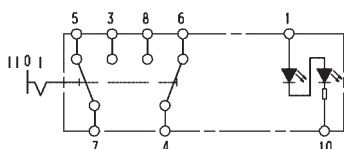
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale:  
1 x external



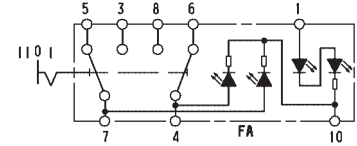
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale:  
1 x external, block



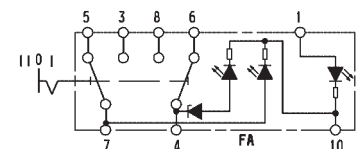
2 x 1-pole, 2-stage,  
Symbol lighting: 2 x,  
Function tell-tale: none



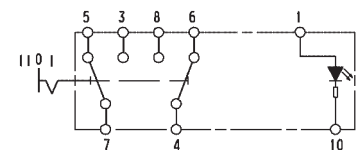
2 x 1-pole, 2-stage,  
Symbol lighting: 2 x,  
Function tell-tale:  
2 x internal



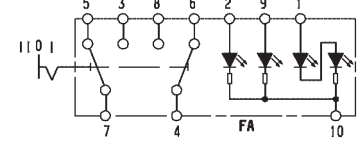
2 x 1-pole, 2-stage,  
Symbol lighting: 1 x,  
Function tell-tale:  
2 x internal,  
1 x protective diode



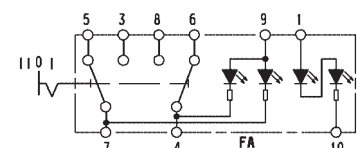
2 x 1-pole, 2-stage,  
Symbol lighting: 1 x,  
Function tell-tale: none



2 x 1-pole, 2-stage,  
Symbol lighting: 2 x,  
Function tell-tale:  
2 x external

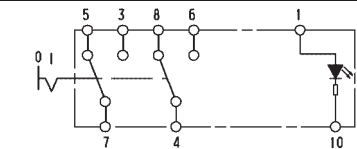


2 x 1-pole, 2-stage,  
Symbol lighting: 2 x,  
Function tell-tale:  
2 x internal

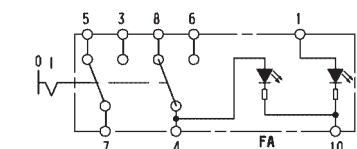


## Changeover contact, maintained contact, 2-pole

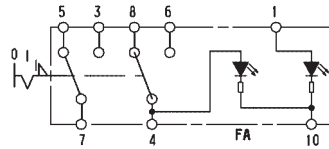
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale: none



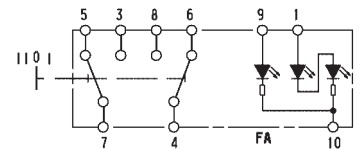
1-stage,  
Symbol lighting: 1 x,  
Function tell-tale:  
1 x internal



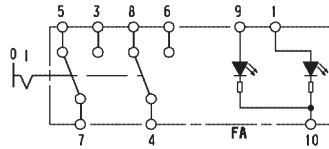
1-stage,  
 Symbol lighting: 1 x,  
 Function tell-tale:  
 1 x internal, block



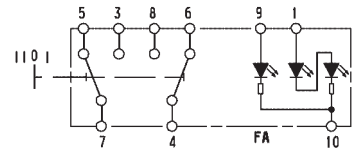
2 x 1-pole, 2-stage,  
 Symbol lighting: 2 x,  
 Function tell-tale:  
 1 x external



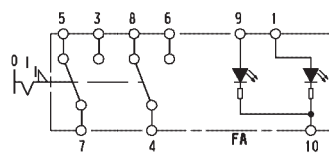
1-stage,  
 Symbol lighting: 1 x,  
 Function tell-tale:  
 1 x external



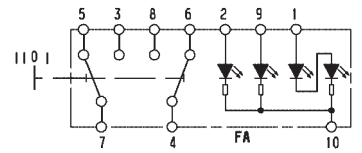
2 x 1-pole, 2-stage,  
 Symbol lighting: 2 x,  
 Function tell-tale:  
 1 x external  
 l: maintained contact  
 n: momentary contact



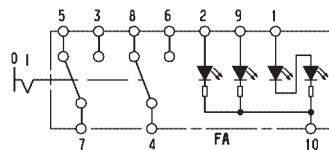
1-stage,  
 Symbol lighting: 1 x,  
 Function tell-tale:  
 1 x external, block



2 x 1-pole, 2-stage,  
 Symbol lighting: 2 x,  
 Function tell-tale:  
 2 x external

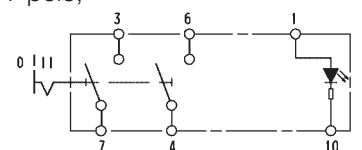


1-stage,  
 Symbol lighting: 2 x,  
 Function tell-tale:  
 2 x external



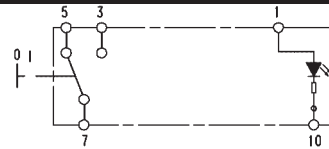
### Make contact

maintained contact, 2 x 1-pole,  
 2-stage,  
 Symbol lighting: 1 x  
 Function tell-tale: none  
 Position I: 4-6  
 Position II: 4-6, 3-7

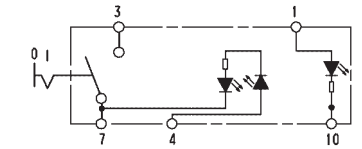


### Changeover contact, momentary contact, 1-pole

1-stage,  
 Symbol lighting: 1 x,  
 Function tell-tale: none

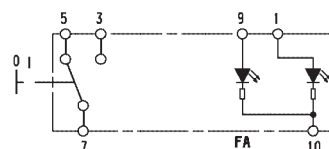


Hazard-light switch,  
 maintained contact,  
 1-pole, 1-stage,  
 Symbol lighting: 1 x,  
 Function tell-tale:  
 1 x internal

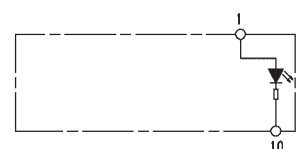


### Tell-tale light

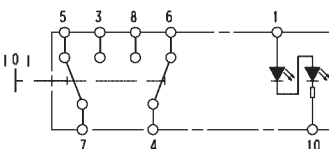
1-stage,  
 Symbol lighting: 1 x,  
 Function tell-tale:  
 1 x external



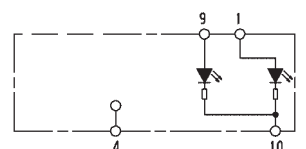
for illumination of  
 symbol field 1



2 x 1-pole, 2-stage,  
 Symbol lighting: 2 x,  
 Function tell-tale: none



for illumination of  
 symbol fields 1 and 2



# Hella switch series 7832/4570

The Hella switch series 7832/4570 have been designed for truck and car interiors.



The series use the standards common in vehicle construction. The advantages of the Hella series are to be found in the modular design and high switching capacity.

## The following are available:

- Complete automotive function range (standards and specific functions)
- One-stage and two-stage switches
- One circuit and two circuits
- Momentary contact switch or maintained contact switch
- Effective locking system
- 12 V / 24 V voltage
- LED and bulb technology
- Wide range of symbol plates that are clicked in place
- Initial fitting and retrofitting through standardised installation opening 41.1 x 22.1 mm, as well as installation frame

## Comprehensive range of symbols

A comprehensive range of symbols ensures the correct marking of all important switching and monitoring functions. All symbols can be represented. The switch and control tell-tales can be illuminated. Installation strips to form rows and combinations of switches round off the range. The switch series are ideal for initial fitting and retrofitting thanks to meaningful installation and connection accessories.



**Technical details:**

**Housing, installation accessories:** .....Plastic,  
 .....black grained  
**Functional ability:** .....- 35 °C bis + 65 °C  
**Storage ability:** .....- 40 °C bis + 90 °C  
**Protective class:** .....Suitable for interiors according  
 .....to IP6X (DIN 40050)  
**Reliable drop in voltage:** .....before permanent use  
 .....max. 10 mV / A  
 .....after permanent use  
 .....max. 20 mV / A  
**Bulb:** .....W5/1.2 12 V/24 V, DIN 72601  
**Dashboard thickness:** .....1 – 2.5 mm  
**Contacting:** .....Blade terminal 6.3 mm  
 .....DIN 46244,  
 .....routed out of the switch housing

**Switching forces**

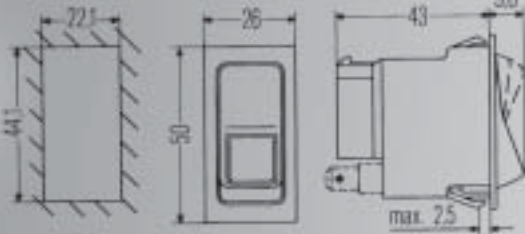
1-stage .....0-I  
 .....0-I; I-O = 6N±3N  
 2-stage .....0-I-II  
 .....0-I; II-I = 6N±3N  
 2-stage .....I-O-II  
 .....I-O; II-O = 5N±2N  
 .....I-O; I-II = 11N±4N  
 .....0-I; O-II = 11N±4N  
 Momentary contact: .....8N±3N

For the types 6HH 007 832-28/-29/-30/-32/-59/-64/-66/  
 -71/-72/-77 (hazard-light switch) the following applies:

Load values at:  
 12 V / 24 V: .....10 A = 10,000 switching processes  
 Switching forces: .....0-I; I-O = 8N±3N  
 Load capacity: .....12 V 16 A; 24 V 8 A

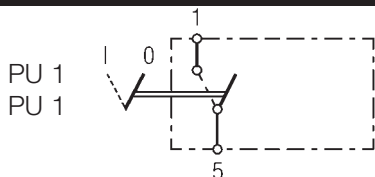
Load values (without load)			
Test voltage 13.5 V		Test voltage 27.5 V	
Amp.	Service life	Amp.	Service life
6	250.000 switching processes	3	150.000 switching processes
10	150.000 switching processes	5	100.000 switching processes
16	20.000 switching processes	8	20.000 switching processes

# Hella switch series 4570

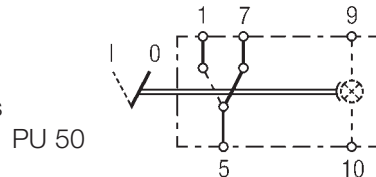


## Maintained-contact switch, 1-stage, one circuit

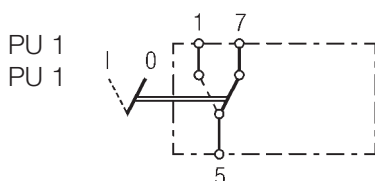
without lighting  
6EH 004 570-001  
6EH 007 832-001



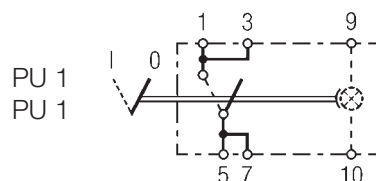
with location and functional lighting, gold-plated connections  
6FH 004 570-777



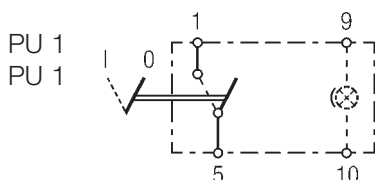
without lighting  
6FH 004 570-101  
6FH 007 832-051



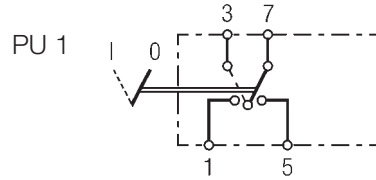
with location and functional lighting  
6EH 004 570-681  
6EH 007 832-611



with location lighting  
6EH 004 570-011  
6EH 007 832-011

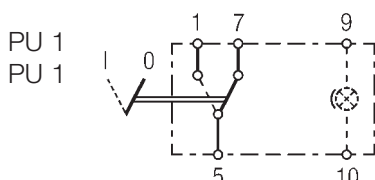


without lighting  
6FH 007 832-501

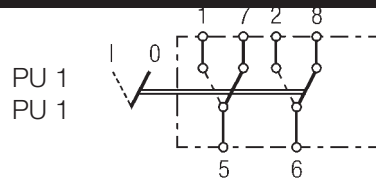


## Maintained-contact switch, 1-stage, two circuits

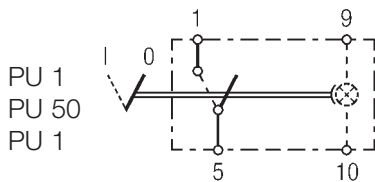
with location lighting  
6FH 004 570-111  
6FH 007 832-061



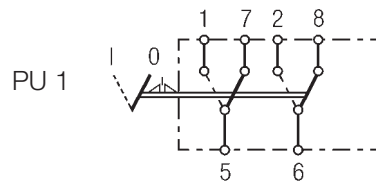
without lighting  
6FH 004 570-501  
6FH 007 832-121



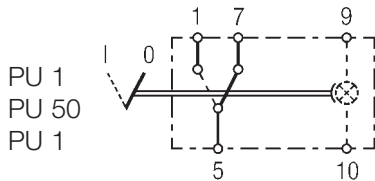
with location and functional lighting  
6EH 004 570-021  
6EH 004 570-027  
6EH 007 832-021



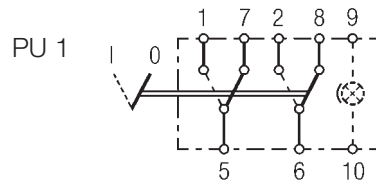
without lighting, 2 actuation locks  
6EH 007 832-601



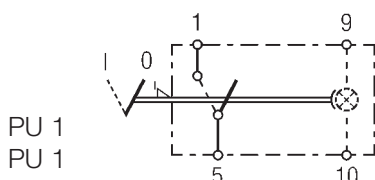
with location and functional lighting  
6FH 004 570-121  
6FH 004 570-127  
6FH 007 832-061



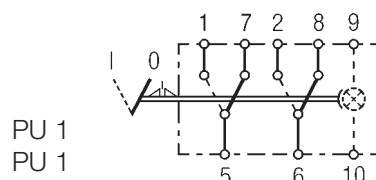
with location lighting  
6FH 004 570-341



with location and functional lighting, actuation lock  
6EH 004 570-621  
6EH 007 832-041

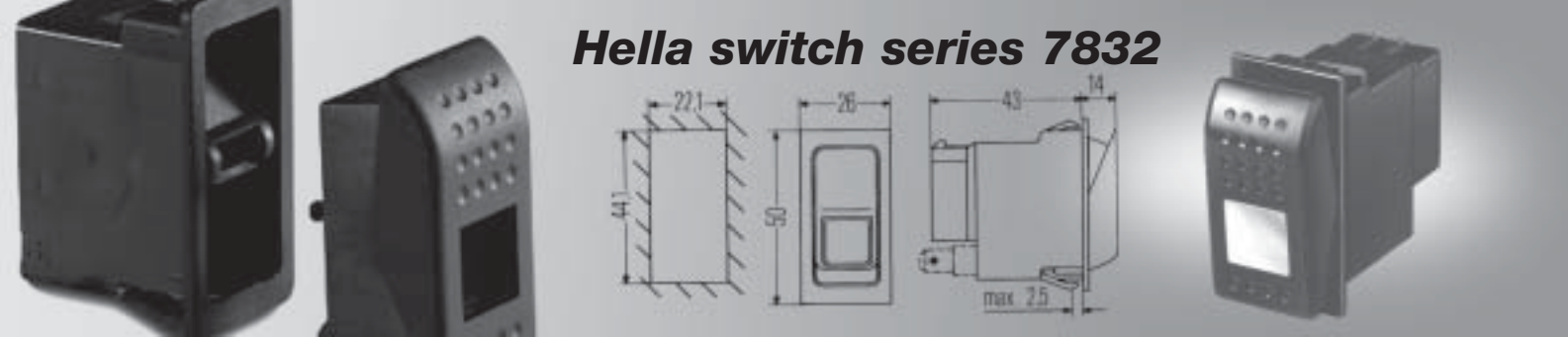


with location and functional lighting, 2 actuation locks  
6EH 004 570-641  
6EH 007 832-751



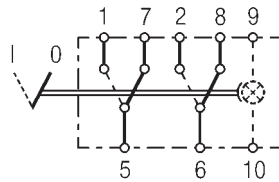


# Hella switch series 7832



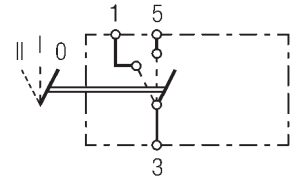
with location and functional lighting  
6FH 004 570-131  
6FH 004 570-137  
6FH 007 832-101

PU 1  
PU 50  
PU 1



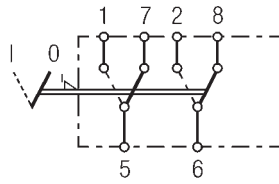
without lighting  
6RH 004 570-151  
6RH 007 832-331

PU 1  
PU 1



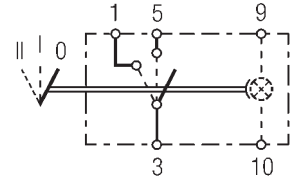
without lighting,  
with actuation lock  
6RH 008 910-011

PU 1



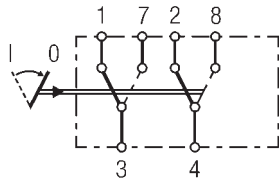
with location and functional lighting  
6RH 004 570-171  
6RH 004 570-177  
6RH 007 832-351

PU 1  
PU 50  
PU 1



without lighting  
6GM 007 832-521

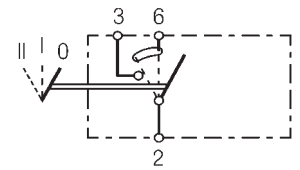
PU 1



## Maintained-contact switch, combination switch, 2-stage,

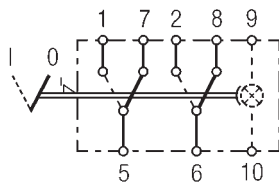
without lighting  
6RH 004 570-351  
6RH 007 832-431

PU 1  
PU 1



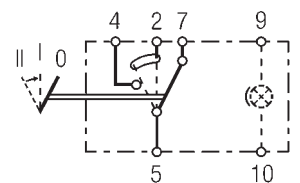
with location and functional lighting,  
actuation lock  
6EH 007 832-491

PU 1



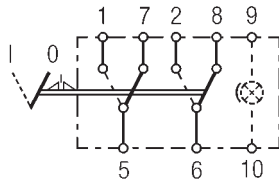
with location lighting,  
2nd stage momentary contact  
6RH 004 570-311  
6RH 007 832-411

PU 1  
PU 1



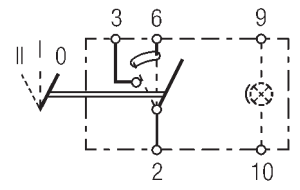
with location lighting,  
actuation lock  
6EH 007 832-671

PU 1



with location lighting  
6RH 004 570-361  
6RH 007 832-441

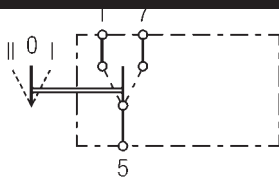
PU 1  
PU 1



## Maintained-contact switch, 2-stage, one circuit

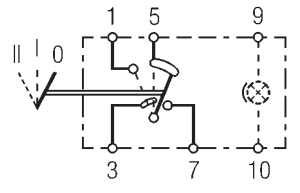
without lighting  
6FH 004 570-511  
6FH 004 570-517  
6FH 007 832-131

PU 1  
PU 50  
PU 1



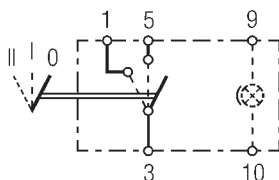
with location lighting  
6RH 004 570-261  
6RH 004 570-267  
6RH 007 832-391

PU 1  
PU 50  
PU 1



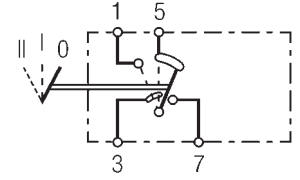
with location lighting  
6RH 004 570-161  
6RH 007 832-341

PU 1  
PU 1

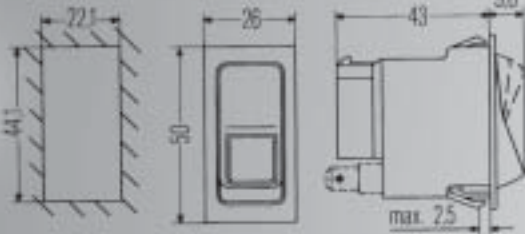


without lighting  
6FH 007 832-511

PU 1

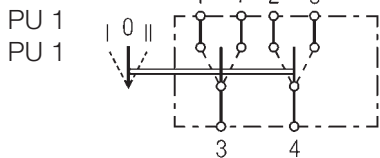


# Hella switch series 4570

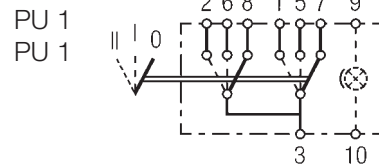


## Maintained-contact switch, combination switch, 2-stage, two circuits

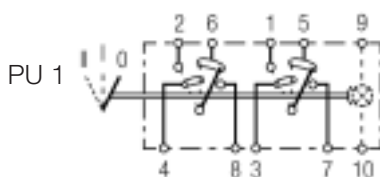
without lighting  
6FH 004 570-531  
6FH 007 832-161



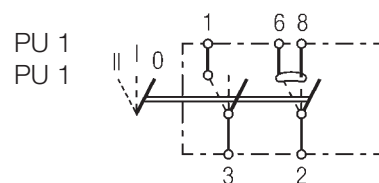
with location lighting  
6RH 004 570-371  
6RH 007 832-701



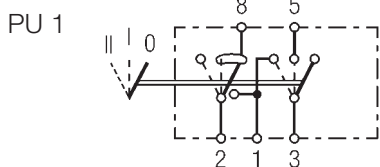
with location and functional lighting  
6RH 004 570-382



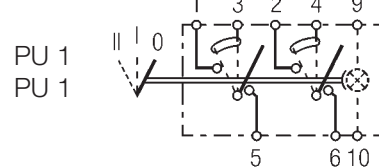
without lighting  
6RH 004 570-401  
6RH 007 832-451



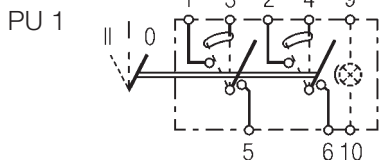
without lighting  
6RH 007 832-761



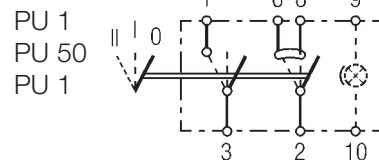
with location and functional lighting  
6RH 004 570-187  
6RH 007 832-377



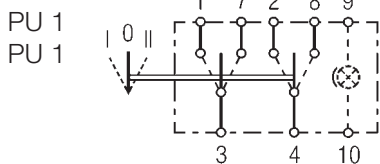
with location lighting  
6RH 007 832-681



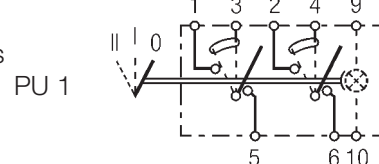
with location lighting  
6RH 004 570-411  
6RH 004 570-417  
6RH 007 832-461



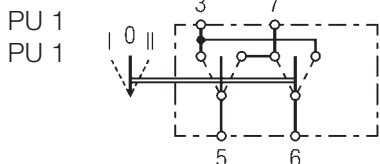
with location lighting  
6FH 004 570-521  
6FH 007 832-151



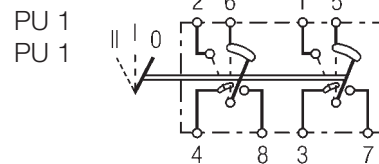
with location and functional lighting, gold-plated connections  
6RH 004 570-787



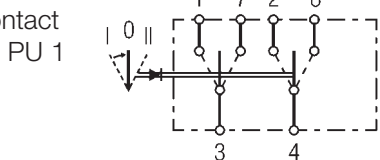
without lighting  
6RH 004 570-751  
6RH 007 832-481



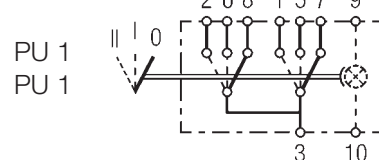
without lighting  
6RH 004 570-191  
6RH 007 832-381



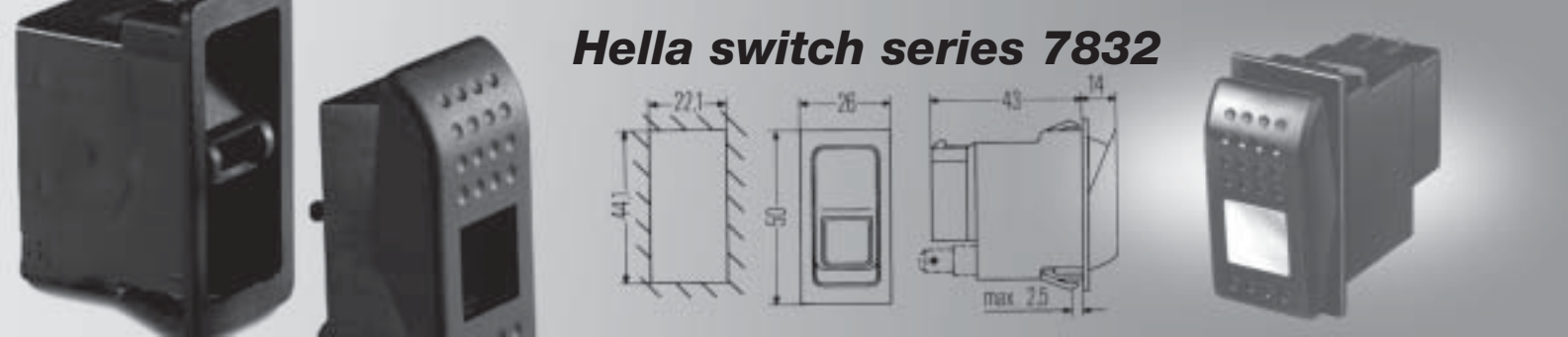
without lighting,  
1st stage momentary contact  
6FH 004 570-541



with location and functional lighting  
6RH 004 570-321  
6RH 007 832-731

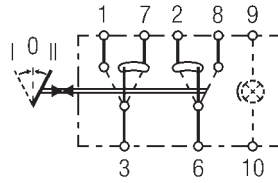


# Hella switch series 7832



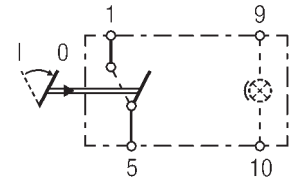
with location and functional lighting, gold-plated connections  
6RH 008 910-022

PU 10



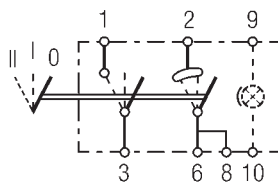
with location lighting, gold-plated connections  
6GM 004 570-767

PU 1



with location and functional lighting  
6RH 004 570-671

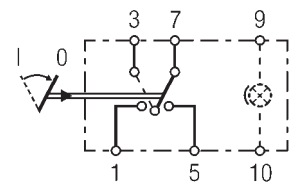
PU 1



with location lighting  
6GM 004 570-081  
6GM 007 832-221

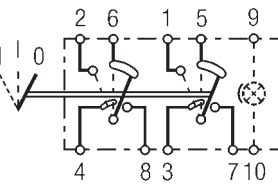
PU 1

PU 1



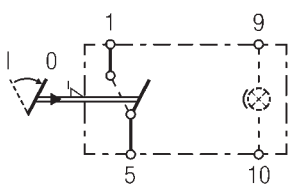
with location lighting  
6RH 007 832-741

PU 1



with location lighting, actuation lock  
6GM 007 832-271

PU 1

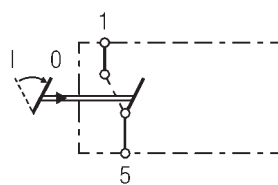


## Momentary-contact switch, 1-stage, one circuit without lighting

6GM 004 570-051  
6GM 007 832-181

PU 1

PU 1

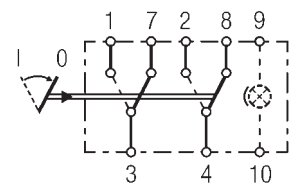


## Momentary-contact switch, 1-stage, two circuits

with location lighting  
6FH 004 570-571  
6FH 007 832-621

PU 1

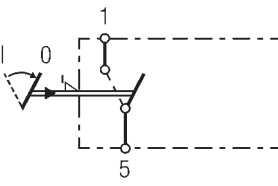
PU 1



without lighting, with actuation lock  
6GM 004 570-691  
6GM 007 832-581

PU 1

PU 1

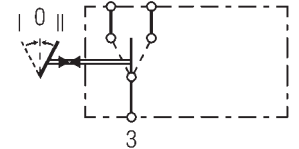


## Momentary-contact switch, 2-stage, one circuit

without lighting  
6GM 004 570-201  
6GM 007 832-231

PU 1

PU 1

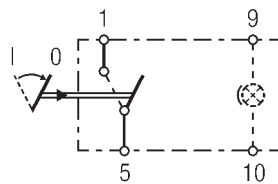


with location lighting  
6GM 004 570-061  
6GM 004 570-067  
6GM 007 832-191

PU 1

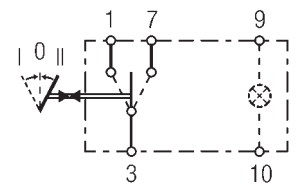
PU 50

PU 1



with location lighting, gold-plated connections  
6GM 004 570-797

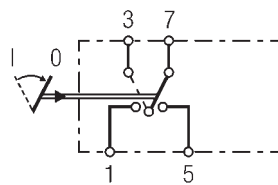
PU 50



without lighting  
6GM 004 570-071  
6GM 007 832-211

PU 1

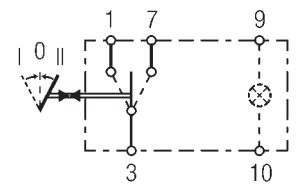
PU 1



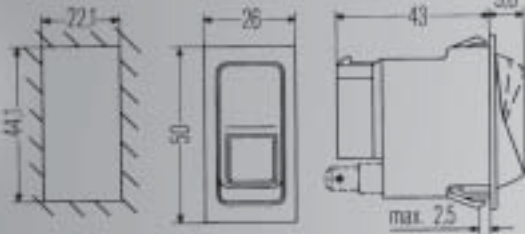
with location lighting  
6GM 004 570-211  
6GM 007 832-241

PU 1

PU 1



# Hella switch series 4570



## Maintained-contact switch, 2-stage, two circuits

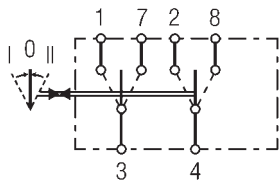
without lighting

6GM 004 570-231

PU 1

6GM 007 832-261

PU 1



with location and

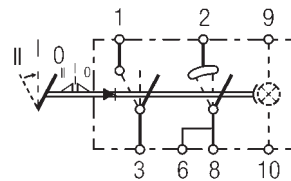
functional lighting,

2nd stage momentary contact,

actuation lock

6RH 007 832-651

PU 1



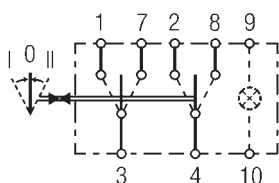
with location lighting

6GM 004 570-221

PU 1

6GM 007 832-251

PU 1



## Hazard-light switch

with LED, designed for

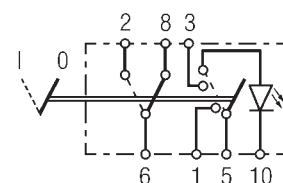
functional lighting

6HH 004 570-431

PU 1

6HH 007 832-711

PU 1



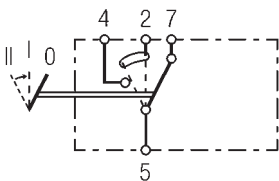
## Maintained-contact switch, combination switch, 2-stage, one circuit

without lighting,

2nd stage momentary contact

6RH 007 832-551

PU 1



with 24 V bulb, location and

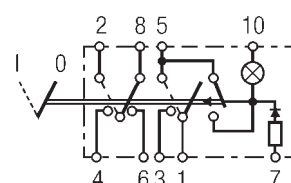
functional lighting

6HH 004 570-481

PU 1

6HH 007 832-301

PU 1



## Maintained-contact switch, combination switch, 2-stage, two circuits

with location lighting,

2nd stage momentary contact

6RH 004 570-331

PU 1

6RH 007 832-421

PU 1

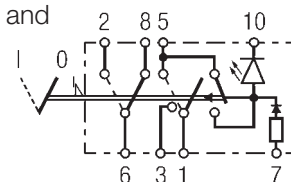


with LED, designed for location and

functional lighting

6HH 007 832-721

PU 1



with 12 V bulb, location and

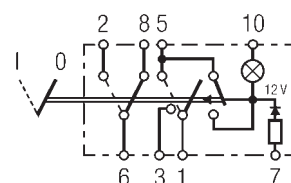
functional lighting

6HH 004 570-491

PU 1

6HH 007 832-321

PU 1



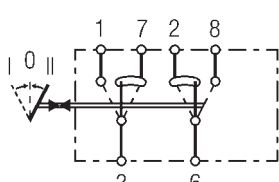
without lighting

6GM 004 570-271

PU 1

6GM 007 832-631

PU 1



with 12 V bulb,

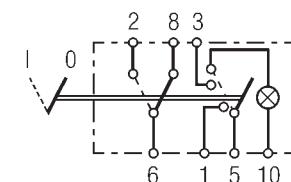
with functional lighting

6HH 004 570-451

PU 1

6HH 007 832-281

PU 1



with location lighting,

1st stage momentary contact,

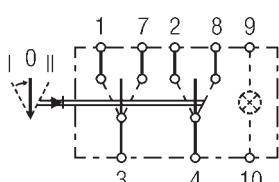
2nd stage maintained contact

6FH 004 570-241

PU 1

6FH 007 832-171

PU 1



with 12 V bulb, red key,

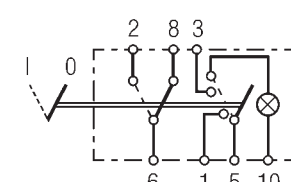
functional lighting

6HH 004 570-581

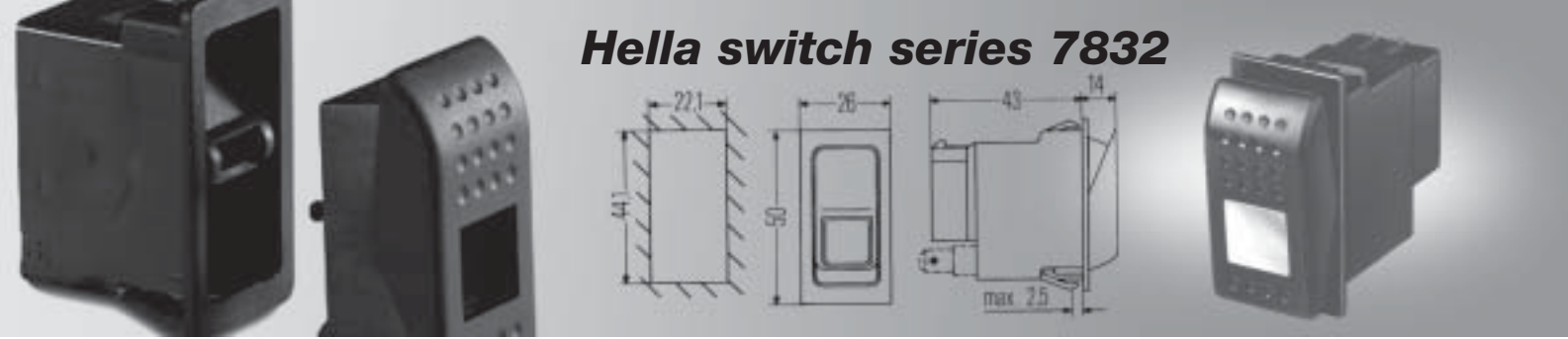
PU 1

6HH 007 832-661

PU 1

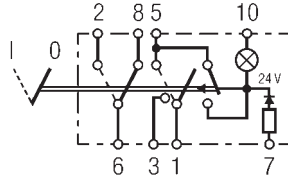


# Hella switch series 7832



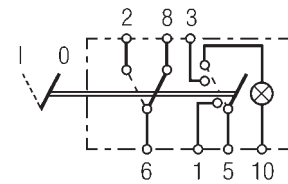
with 24 V bulb, location and  
functional lighting  
6HH 004 570-477  
6HH 007 832-297

PU 50  
PU 50



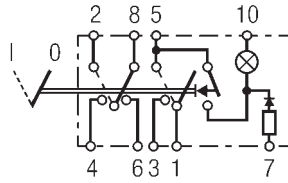
with 24 V bulb, red key,  
functional lighting  
6HH 004 570-591  
6HH 007 832-641

PU 1  
PU 1



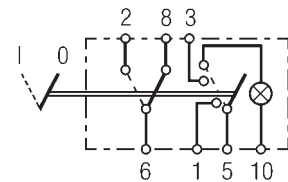
with 12 V bulb, location and  
functional lighting  
6HH 007 832-771

PU 1



with 24 V bulb, with  
functional lighting  
6HH 007 832-591

PU 1





# Accessories for series 4570 and 7832



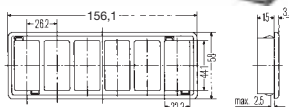
## Installation strips

Black.  
Installation opening:  
156.1 x 48.2 mm



**Installation strip for 6 switches**  
8HG 713 626-001

PU 12



**Installation strip for 3 switches**  
8HG 714 504-001

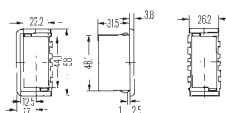
PU 10

## Installation strip insertion system

Black.  
2 end pieces are required to put together an installation strip. This installation strip can be supplemented by any number of connecting pieces.

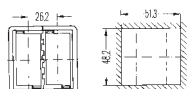
**End piece**  
8HG 716 734-001  
8HG 716 734-007

PU 10  
PU 200



**Connecting piece**  
8HG 716 735-001  
8HG 716 735-007

PU 10  
PU 200



## Cover

For covering planned switch installation openings in the installation strips and in the installation strip insertion system.

**Cover**  
9HB 713 629-001

Vp. 10



**Receptacle housing**  
8-pole  
8JA 713 631-001  
8JA 713 631-007

PU 10  
PU 1000



## Tell-tale lights

### Tell-tale lights for switch series 007 832-...

with 12 V bulb  
2AA 713 628-021 PU 10  
with 24 V bulb  
2AA 713 628-031 PU 10  
with LED, 12 V and 24 V  
2AA 713 628-041 PU 10



### Tell-tale lights for switch series 004 570-...

with 12 V bulb  
2AA 713 628-001 PU 10  
with 24 V bulb  
2AA 713 628-011 PU 10  
with LED, 12 V and 24 V  
2AA 713 628-051 PU 10



## Bulb sockets

for tell-tale lights  
with 12 V bulb  
9FF 713 627-001 PU 10  
with 24 V bulb  
9FF 713 627-011 PU 10



## Bulb sockets with LED, 12 V and 24 V

for tell-tale lights with  
LED Ø 5 mm  
9FF 713 627-031 PU 10



## Receptacle housing

for bulb sockets  
2-pole  
8JA 715 600-001 PU 10





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Internet: [www.hella.ie](http://www.hella.ie)



***Ideas today for  
the cars of tomorrow***