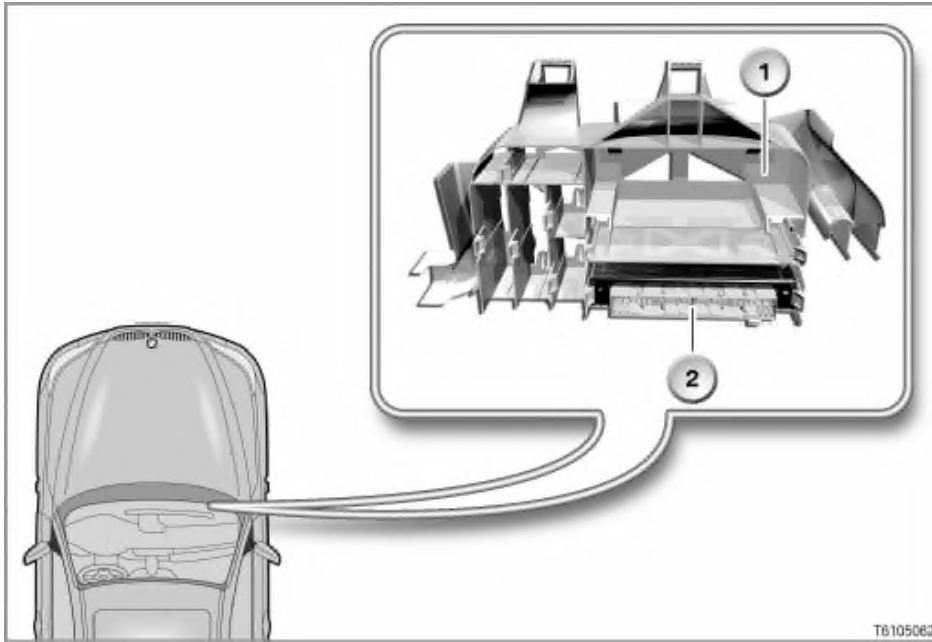


# Body-gateway module E60, E61, E63, E64

## Installation location

The body-gateway module (KGM) is integrated with the other control units in the rack behind the glove compartment.

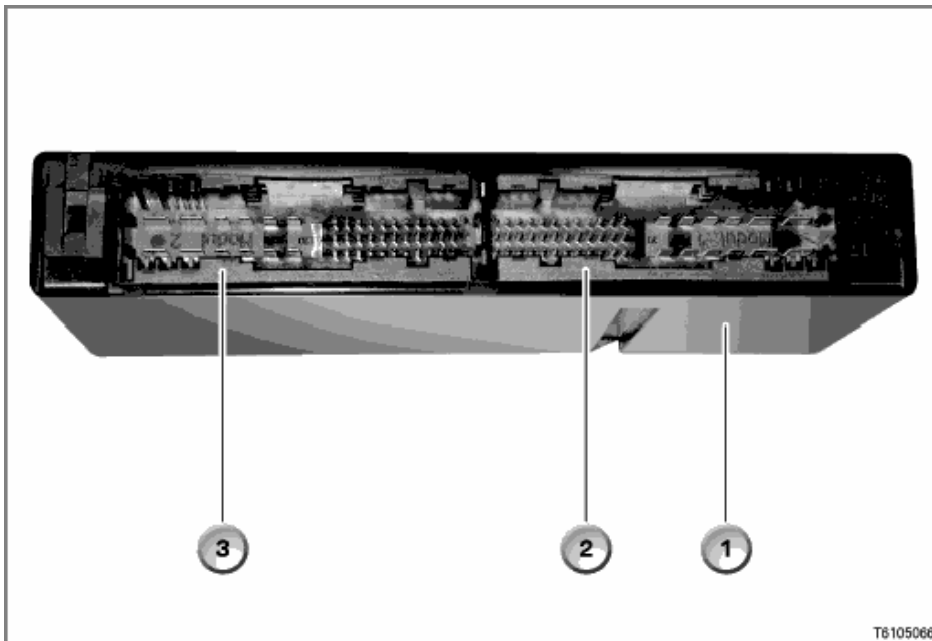


T6105062

Item	Description	Item	Description
1	Device holder	2	Body-gateway module (KGM)

## Design

Two plug connections connect the body-gateway module (KGM) to the wiring harness.



T6105066

Item	Description	Item	Description
1	Body-gateway module (KGM)	2	Connector X16759, 51-pin
3	Connector X16760, 51-pin	4	

**- Pin assignments**

<b>Pin assignments for connector X16759, 51-pin</b>		
<b>Pin</b>	<b>Type</b>	<b>Description</b>
1	A	Positive cable to front power distribution box (terminal 30g-f at power distribution box)
2	E	Positive cable from front power distribution box (terminal 30 at power distribution box)
3	---	---
4	---	---
5	---	---
6	---	---
7	---	---
8	---	---
9	---	---
10	A	Positive cable to door entry light (front) in driver's door
11	A	Low-signal for Servotronic
12	A	High-signal for Servotronic
13	---	---
14	A	Power supply for the Hall sensors (power windows) in the driver's door
15	E	Signal for unlocking the lock cylinder (Hall sensor) in the driver's door
16	---	---
17	E	Signal 1 from the Hall sensor (power windows) in the driver's door
18	E/A	Diagnostic wire
19	A	Activation of central locking drive unit for unlocking driver's door
20	---	---
21	A	Power supply for outside mirror adjustment and mirror heating on driver's side (basic outside mirror)
22	---	---
23	E/A	Signals via LIN-bus from driver's door switch cluster to outside mirror on driver's side (outside mirror with extended functions)
24	---	---
25	---	---
26	---	---
27	---	---
28	E	Signal for locking the lock cylinder (Hall sensor) in the driver's door
29	E	Signal from the Hall sensor (door contact) in the driver's door
30	E	Signal 2 from the Hall sensor (power windows) in the driver's door

31	---	---
32	A	Activation of central locking drive unit for locking driver's door
33	E	Power supply (terminal 30) for electric loads on driver's side
34	A	Earth connection for the power window motor in the driver's door
35	A	Positive cable for power window motor in driver's door
36	A	Negative cable for power window motor in driver's door
37	---	---
38	---	---
39	---	---
40	A	Horizontal outside mirror adjustment for driver's side (basic outside mirror)
41	A	Vertical outside mirror adjustment for driver's side (basic outside mirror)
42	A	Power supply to mirror heating for driver's side (basic outside mirror)
43	---	---
44	E	Signal cable from electrochromic interior rear-view mirror
45	E	Negative cable from electrochromic interior rear-view mirror
46	---	---
47	---	---
48	A	Ground connection for Hall sensors (central locking) in driver's door
49	A	Ground connection for Hall sensors (power windows) in driver's door
50	---	---
51	A	Activation of central locking drive unit for central arrest of driver's door
	A = Output E = Input E/A = Input and output For current specifications regarding pin assignments, please refer to BMW diagnosis system	

#### Pin assignments for connector X16760, 51-pin

Pin	Type	Description
1	---	---
2	---	---
3	A	Positive cable for power window motor in passenger's door
4	A	Negative cable for power window motor in passenger's door
5	---	---
6	---	---
7	---	---
8	E/A	K-CAN Low
9	E/A	K-CAN High

10	---	---
11	A	Ground connection for Hall sensors (power windows) in passenger's door
12	---	---
13	---	---
14	E/A	Signals via LIN-bus from driver's door switch cluster to outside mirror on passenger's side (outside mirror with extended functions)
15	---	---
16	---	---
17	---	---
18	---	---
19	A	Activation of central locking drive unit for central arrest of passenger's door
20	---	---
21	---	---
22	E	CLOSE signal from power window switch on passenger's side
23	A	Ground connection for Hall sensors (central locking) in passenger's door
24	E	Signal 2 from Hall sensor (power windows) in passenger's door
25	A	Power supply to mirror heating for passenger's side (basic outside mirror)
26	---	---
27	E	PT-CAN wake-up line
28	---	---
29	E/A	PT-CAN High
30	E/A	PT-CAN Low
31	---	---
32	A	Activation of central locking drive unit for unlocking passenger's door
33	E	Power supply (terminal 30) for electric loads on passenger's side
34	A	Ground connection for power window motor in passenger's door
35	---	---
36	---	---
37	M	Ground for KGM (terminal 31)
38	V	Supply voltage for KGM control unit (terminal 30)
39	---	---
40	---	---
41	E	OPEN signal from power window switch on passenger's side
42	E	Signal from Hall sensor (door contact) in passenger's door
43	E	Signal 1 from Hall sensor (power windows) in passenger's door

44	---	---
45	A	Power supply for outside mirror adjustment and mirror heating on passenger's side (basic outside mirror)
46	A	Horizontal outside mirror adjustment for passenger's side (basic outside mirror)
47	A	Vertical outside mirror adjustment for passenger's side (basic outside mirror)
48	A	Positive cable to door entry light (front) in passenger's door
49	---	---
50	A	Power supply for the Hall sensors (power windows) in the passenger's door
51	A	Activation of central locking drive unit for locking passenger's door
	A = Output E = Input E/A = Input and output M = Earth V = Power supply For current specifications regarding pin assignments, please refer to BMW diagnosis system	