



Sprinter PSM Software

MY25+ Standard Program – Work Truck

Commercial Vans PSM Support

Mercedes-Benz
Vans. Born to run.



Notice

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Exception: Factory Options M53, MT4 and T57 have factory PSM software installed

Vans PSM Support Contacts:

For information or upfitter inquiries

please submit a request via our website:

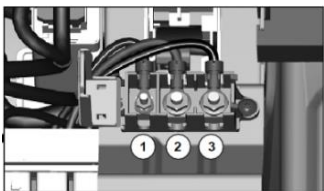
www.UpfitterPortal.com

Software Specifications – Conversion to MY25 PSM

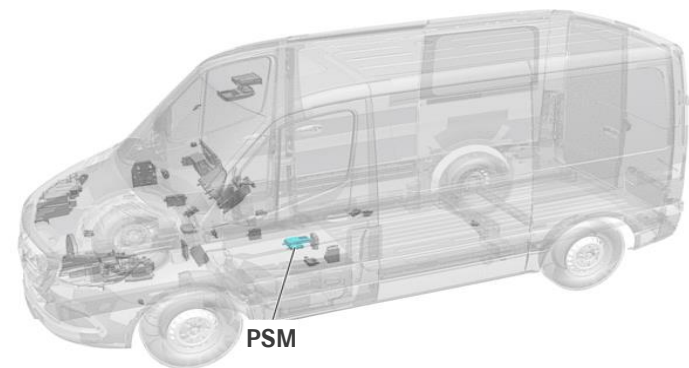
The following software package provides 4 input and 19 output functions for upfits related to work truck vehicles. The program provides access to muting the radio, engine start prevention, activating hazard lights, and vehicle information such as door open status, gear status, vehicle ignition status, and light status.

Please note that not all inputs and outputs need to be used. Use only applicable inputs and outputs.

Additional info: EK1 – Auxiliary electrical connector under driver's seat



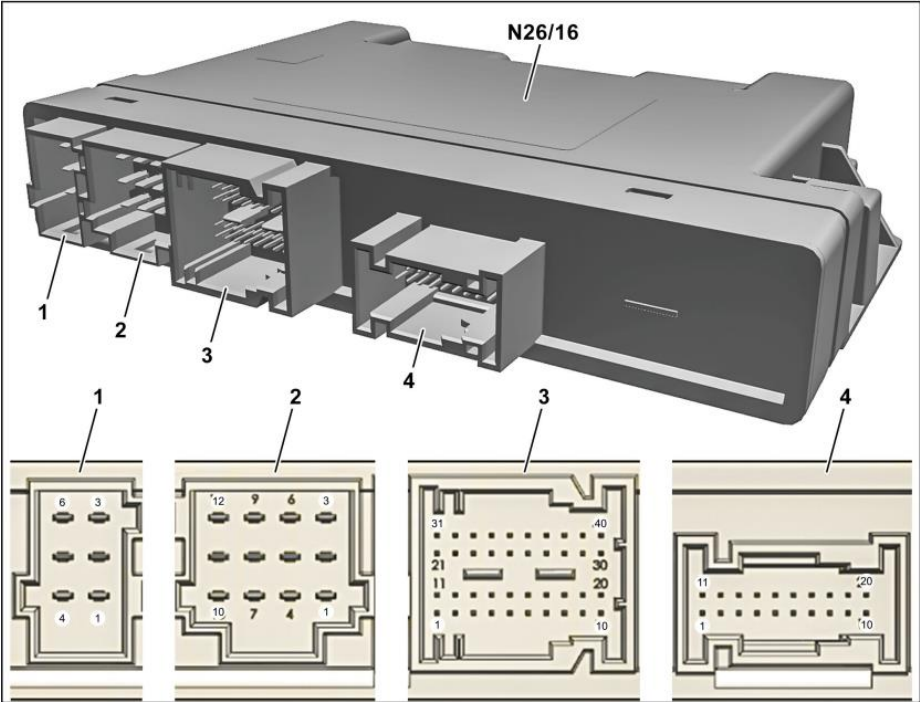
Terminal	U [V] / I [A]	wire color
1 st power with engine running	12V / 10A	blue/yellow
2 nd battery direct power	12V / 25A	red/gray
3 rd ignition power	12V / 15A	black/yellow



Parameterizable Special Module (PSM) Information – MY25 Module Change

Part	Part Number
Specification (Parameterizable Special Module)	A 447 900 40 23

Plug	Part Name	Description
1	2.8 mm MCP pins	Power Supply + Ground
2	2.8 mm MQP pins	Multi-function Outputs
3	0.63 mm MQS pins	Multi-function Inputs/Outputs
4	0.63 mm MQS pins	CAN/Body CAN



Input Specification

#	Input Signal	Connector	Pin	Max Amps	Output Type	Comments
5	Starter disabled	3	23	0.01A	Low	
6	Mute radio	3	28	0.01A	Low	
7	Mute radio only when in reverse	3	39	0.01A	Low	Input active & gear in 'R'
8	Hazard warning lights	3	30	0.01A	Low	

Low Side values supply Ground when activated and remove Ground when inactive.

High Side values supply +12V when activated and remove +12V when inactive.

Vehicle Power States	
Terminal	Common Name
30	Battery Power
30r	Timed Battery Power
31	Chassis Ground
15c	Key In Ignition (Ign. Position 0)
15r	Key On (Ign. Position 1)
15x	Accessory Power (Ign. Position 2)
15	Ignition*
50	Engine Cranking
61	Engine Running
* Active during 15x, 50, and 61	

Output Specification

#	Output Signal	Connect or	Pin	Max Amps	Output Type	Comments
1	Ignition Start	2	7	5A	High	Terminal 50
2	Ignition Accessory	2	5	10A	High	Terminal 15R
3	Right Sliding Door Open	2	8	5A	High	
4	Ignition ON	2	12	10A	High	Terminal 15
5	Rear Door Open	2	1	5A	High	
6	Engine Running	2	10	5A	High	Terminal 61
7	Any Door Open	2	11	5A	High	Driver/Passenger/Sliding door/Rear doors
8	Vehicle Unlocked	3	31	0.5A	High	2 seconds signal
9	Vehicle Locked	3	32	0.5A	High	2 seconds signal
10	Cargo Sliding Door	3	21	0.5A	High	2 seconds signal
11	Gear NOT in 'P'	3	26	0.5A	Low	
12	Brake Lamps	3	12	0.5A	Low	
13	Hazard Warning Lights ON	3	3	1A	Low	
14	Driver Seat Belt OFF when Gear NOT 'P'	3	2	0.5A	Low	
16	Vehicle Speed > 0 mph	3	22	0.5A	High	
17	Park Brake ON	3	13	1A	Low	
18	Driver Door Open	2	4	5A	High	
19	Gear in 'P'	2	6	5A	High	
20	Gear in 'R'	2	9	5A	High	

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