

Bosch Terminal Designations

Terminal No.	Designation
1	Ignition coil, distributor Low-tension circuit
1a 1b	Ignition distributor with two insulated circuits to ignition point set I to ignition point set II
2	Short-circuit terminal
4	Ignition coil, distributor High-tension circuit
4a 4b	Ignition distributor with two insulated circuits Terminal 4, from coil I Terminal 4, from coil II
15	Switch-controlled plus downstream from battery (from ignition switch)
15a	In-line resistor terminal leading to coil and starter
17 19	Glow-plug switch Start Preglow
30	Line from battery positive terminal (direct)
30a	Series/parallel battery switch 12/24V Line from battery positive terminal II
31	Return line from battery negative terminal or ground (direct)
31b 31a	Return line to battery negative terminal or ground via switch or relay (switch-controlled ground) Battery changeover relay 12/24 V Return line to Battery II negative pole
32 33 33a 33b 33f 33g 33h 33L	Electric motors Return line ¹⁾ Main connection ¹⁾ Self-parking switch-off Shunt field for reduced-rpm operation, speed 2 for reduced-rpm operation, speed 3 for reduced-rpm operation, speed 4 Rotation to left (counter clockwise)
45	Starter Separate starter relay, output: starter; input: primary current
45a 45b	Dual starters, parallel activation Relay for pinion-engagement current Starter I output Starters I and II input Starter II output
48	Terminal on starter and start-repeating relay for monitoring starting process
49 49a 49b	Flasher relay (pulse generator) Input Output Output to second flasher relay
50	Starter Starter control (direct)

50a	Battery switching relay Output for starter control
50b	Starter control Dual starters in parallel operation with sequential control
50c 50d	Starting relay for sequential control of engagement current for dual starters in parallel operation Starter I input at starter relay Starter II input at starter relay
50e 50f	Start-locking relay Input Output
50g 50h	Start repeating relay Input Output
51 51e	AC generator (alternator) DC voltage at rectifier DC voltage at rectifier with choke coil for daylight operation
52	Trailer signalling devices Supplementary signal transmission from trailer to towing vehicle
53 53a 53b 53c 53e	Wiper motor, input (+) Wiper (+), end position Wiper (shunt winding) Electric windscreen-washer pump Wiper (brake winding)
55	Front fog lamp
56 56a 56b	Headlights High-beam with indicator lamp Low beam
57 57a 57L	Motorcycle/Moped parking lamps (also for passenger cars, trucks, in some export markets) Parking lamps Parking lamps, left
58 58b 58c 58d 58L	Side-marker lamps, tail lamps, license-plate and instrument illumination Tail light mode selection on single axle trailers Trailer gladhand assembly for single-strand tail light with fuse in trailer Rheostatic instrument illumination, tail and side-marker lamps left
59 59a 59b	AC generator (alternator) (magneto generator) AC voltage output, rectifier input Charging-armature output Tail-lamp armature, output
61	Charge indicator lamp
71 71a	Tone-sequence controller Input Output to horns I and II (bass)
72	Alarm switch (rotating beacon)
75	Radio, cigarette lighter
76	Speakers
77	Door valve control

54	Trailer signalling equipment Trailer gladhand assembly and light combinations Stop lamps
81 81a 81b 82 82a 82b 82z 82y 83 83a 83b 83L	Switches, NC contacts and changeover contacts Input First output on NC-contact side Second output on NC-contact side NO contacts Input First output Second output First input Second input Multiple position switch Input Output (Pos.1) Output (Pos. 2) Output (Pos. left)
84 84a	Current relay Input: Actuator and relay contacts Output: Actuators
85 86 86a	Switching relay Output: Actuator (negative winding end or ground) Input: Actuator Start of winding Start of winding or first winding coil
87 87a 87b 87c 87z 87y	Relay contact for NC and changeovers contacts Input First output (NC-contact side) Second output Third output First input Second input
88	Relay contact for NO contact Input
88a 88b	Relay contact for NO contact and changeover contacts (NO side) First output Second output
88z 88y	Relay contact for NO contact First input Second input
B+ B- D+ D- DF DF1	Generator/alternator and voltage regulator Battery positive terminal Battery negative terminal Generator positive terminal Generator negative terminal Generator field winding Generator field winding 1
U, V, W	Alternator Three-phase terminals

<p>C C0 C2 C3 L</p>	<p>Turn signals (turn signal flasher) Indicator lamp 1 Main terminal connection for indicator lamp not connected to turn-signal flasher Indicator lamp 2 Indicator lamp 3 (eg for dual trailer operations) Left-side turn signals</p>
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