### Bosch Terminal Designations

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Designation</th>
</tr>
</thead>
</table>
| 1            | Ignition coil, distributor  
Low-tension circuit                                                             |
| 1a           | Ignition distributor with two insulated circuits  
1b to ignition point set I  
1b to ignition point set II                                                    |
| 2            | Short-circuit terminal                                                      |
| 4            | Ignition coil, distributor  
High-tension circuit                                                             |
| 4a           | Ignition distributor with two insulated circuits  
4b Terminal 4, from coil I  
4b 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           | Glow-plug switch  
Start  
Preglow                                                                 |
| 19           | Line from battery positive terminal (direct)                                |
| 30           | Series/parallel battery switch 12/24V  
30a Line from battery positive terminal II                                     |
| 31           | Return line from battery negative terminal or ground (direct)               |
| 31a          | Return line to battery negative terminal or ground via switch or relay (switch-controlled ground)  
Battery changeover relay 12/24 V  
31a Return line to Battery II negative pole                                      |
| 32           | Electric motors  
Return line 1  
33 Main connection 1  
33a Self-parking switch-off  
33b Shunt field  
33f for reduced-rpm operation, speed 2  
33g for reduced-rpm operation, speed 3  
33h for reduced-rpm operation, speed 4  
33L Rotation to left (counter clockwise)                                        |
| 45           | Starter  
Separate starter relay, output: starter; input: primary current             |
| 45a          | Dual starters, parallel activation  
Relay for pinion-engagement current  
45b Starter I output  
45b Starter I and II input  
45b Starter II output                                                           |
| 48           | Terminal on starter and start-repeating relay for monitoring starting process |
| 49           | Flasher relay (pulse generator)  
49a Input  
49b Output  
49b Output to second flasher relay                                              |
| 50           | Starter  
Starter control (direct)                                                      |
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| **50a** | **Battery switching relay**  
Output for starter control |   |
| **50b** | **Starter control**  
Dual starters in parallel operation with sequential control |   |
| **50c** | **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 |   |
| **50d** |   |   |
| **50e** | **Start-locking relay**  
Input  
Output |   |
| **50f** |   |   |
| **50g** | **Start repeating relay**  
Input  
Output |   |
| **50h** |   |   |
| **51** | **AC generator (alternator)**  
DC voltage at rectifier  
DC voltage at rectifier with choke coil for daylight operation |   |
| **51e** |   |   |
| **52** | **Trailer signalling devices**  
Supplementary signal transmission from trailer to towing vehicle |   |
| **53** | Wiper motor, input (+)  
Wiper (+), end position  
Wiper (shunt winding)  
Electric windscreen-washer pump  
Wiper (brake winding) |   |
| **53a** |   |   |
| **53b** |   |   |
| **53c** |   |   |
| **53d** |   |   |
| **53e** |   |   |
| **54** |   |   |
| **55** | Front fog lamp |   |
| **56** | Headlights  
High-beam with indicator lamp  
Low beam |   |
| **56a** |   |   |
| **56b** |   |   |
| **57** | Motorcycle/Moped parking lamps (also for passenger cars, trucks, in some export markets)  
Parking lamps  
Parking lamps, left |   |
| **57a** |   |   |
| **57L** |   |   |
| **58** | 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 |   |
| **58b** |   |   |
| **58c** |   |   |
| **58d** |   |   |
| **58L** |   |   |
| **59** | **AC generator (alternator) (magneto generator)**  
AC voltage output, rectifier input  
Charging-armature output  
Tail-lamp armature, output |   |
| **59a** |   |   |
| **59b** |   |   |
| **59c** |   |   |
| **59L** |   |   |
| **60** | Charge indicator lamp |   |
| **61** |   |   |
| **71** | **Tone-sequence controller**  
Input  
Output to horns I and II (bass) |   |
<p>| <strong>71a</strong> |   |   |
| <strong>72</strong> | Alarm switch (rotating beacon) |   |
| <strong>75</strong> | Radio, cigarette lighter |   |
| <strong>76</strong> | Speakers |   |
| <strong>77</strong> | Door valve control |   |</p>
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 54   | **Trailer signalling equipment**  
Stop lamps |
| 81   | **Switches, NC contacts and changeover contacts**  
Input  
First output on NC-contact side  
Second output on NC-contact side NO contacts |
| 82   | Input  
First output  
Second output  
First input  
Second input  
Multiple position switch |
| 83   | Input  
Output (Pos.1)  
Output (Pos. 2)  
Output (Pos. left) |
| 84   | **Current relay**  
Input: Actuator and relay contacts  
Output: Actuators |
| 85   | **Switching relay**  
Output: Actuator (negative winding end or ground)  
Input: Actuator  
Start of winding  
Start of winding or first winding coil |
| 87   | **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  | **Relay contact for NO contact and changeovers contacts (NO side)**  
First output  
Second output |
| 88b  | **Relay contact for NO contact**  
First input  
Second input |
| B+   | **Generator/alternator and voltage regulator**  
Battery positive terminal |
| B-   | Battery negative terminal  
Generator positive terminal  
Generator negative terminal |
| D+   | Generator field winding  
Generator field winding 1 |
| U, V, W | **Alternator**  
Three-phase terminals |
| Turn signals (turn signal flasher) | Indicator lamp 1 |
| C | Main terminal connection for indicator lamp not connected to turn-signal flasher |
| C0 | Indicator lamp 2 |
| C2 | Indicator lamp 3 (e.g., for dual trailer operations) |
| C3 | Left-side turn signals |
| L |