**Ignition and current supply**

*Code / Function*
1 Coil, distributor - low voltage
1a To contact breaker I (distributor with 2 separate circuits)
1b To contact breaker II (distributor with 2 separate circuits)
2 Shorting circuit - magneto ignition
4 Coil, distributor - high voltage
4a From coil I (distributor with 2 separate circuits)
4b From coil II (distributor with 2 separate circuits)
7 Ballast resistor terminal to/from distributor
15 Switched + downstream of battery (output of ignition/driving switch)
15a Output at ballast resistor to coil and starter
17 Glow plug and starter switch - Start
19 Glow plug and starter switch - Preheat
30 Input from battery +, direct 12/24 V series-parallel battery switch
30a Input from + terminal of battery II
31 Battery negative terminal, or ground, direct
31a Return line to battery II, negative (12/24 V series-parallel battery switch)
31b Return line to battery negative terminal, or ground via switch or relay (switched negative)
31c Return line to battery I, negative (12/24 V series-parallel battery switch)
X Battery power switched through the load reduction relay

**Motors**

*Code / Function*
32 Return
33 Main terminal connection
33a Self-parking switch-off
33b Shunt field
33f For 2nd low-speed range
33g For 3rd low-speed range
33h For 4th low-speed range
33L Anticlockwise
33R Clockwise

**Starters**

*Code / Function*
45 Separate starter relay, output; starter, input (main current) / Two-starter parallel operation - Starting relay for engagement current
45a Output, starter I, Input, starters I and II
45b Output, starter II
48 Terminal on starter & on repeating relay for monitoring starting procedure

**Turn-signal flashers (pulse generators)**

*Code / Function*
49 Input
49a Output
49b Output, 2nd circuit
49c Output, 3rd circuit
Starter control

**Code / Function**
50 Starter control (direct)
50a Series-parallel battery switch - Output for starter control with parallel operation of two starters with sequential control
50b Starting relay for sequential control of the engagement current during parallel operation of two starters
50c Input at starting relay for starter I
50d Input at starting relay for starter II
50e Start-locking relay Input
50f Start-locking relay Output
50g Start-repeating relay Input
50h Start-repeating relay Output

Alternator

**Code / Function**
51 DC voltage at rectifier
51e DC voltage at rectifier with choke coil for daytime driving

Trailer signals

**Code / Function**
52 Additional signals from trailer to vehicle Wiper motors
53 Wiper motor, input (+)
53a Wiper (+), self-parking switch-off
53b Wiper (shunt winding)
53c Electric windshield-washer pump
53e Wiper (brake winding)
53I Wiper motor with permanent magnet and 3rd brush (for higher speed)

Trailer signals (see also 52)

**Code / Function**
54 Trailer plug connections and lighting combinations, brake light
54g Pneumatic valve for continuous brake in trailer, solenoid-operated Lighting
55 Fog lamp
56 Headlamp
56a High beam, high-beam indicator lamp
56b Low beam
56d Headlamp-flasher
57a Parking lamp
57L Parking lamp, left
57R Parking lamp, right
58 Side-marker, tail, numberplate and instrument panel lamps
58d Taillight change over for two-wheeled tractors
58c Trailer plug and receptacle assembly for single-conductor taillight with fuse in trailer
58d Variable intensity instrument panel light, tail light and side marker.
58L Numberplate lamp, left
58R Numberplate lamp, right
Alternators and voltage regulators

**Code / Function**
59 A/C voltage output, rectifier input
59a Charging armature, output
59b Tail light armature, output
59c Brake light armature, output
61 Alternator charge-indicator lamp
B+ Battery +
B- Battery –
D+ Dynamo +
D- Dynamo –
DF Dynamo field
DF1 Dynamo field 1
DF2 Dynamo field 2
U, V, W Three-phase alternator terminals

Multi-tone horn and emergency lights

**Code / Function**
71 Input
71a Output to horns 1 & 2 low
71b Output to horns 1 & 2 high
72 Alarm switch - revolving emergency light
Radio, cigarette lighter
75 Radio, cigar lighter
76 Speakers
77 Door valve control

Normally closed and changeover switches

**Code / Function**
81 Input
81a Output 1, NC side
81b Output 2, NC side

Normally open switches

**Code / Function**
82 Input
82a Output 1
82b Output 2
82z Input 1
82y Input 2

Multi-position switches

**Code / Function**
83 Input
83a Output, position 1
83b Output, position 2
83L Output, left-hand position
83R Output, right-hand position
**Current relays**
*Code / Function*
84 Input, actuator and relay contact
84a Output, actuator
84a Output, relay contact

**Switching relays**
*Code / Function*
85 Output, actuator (end of winding to ground or negative)
86 Input, actuator (start of winding)
86a Start of winding or 1st winding
86b Winding tap or 2nd winding

**Relays - N/C and changeover**
*Code / Function*
87 Input
87a Output 1 (NC side)
87b Output 2
87c Output 3
87z Input 1
87y Input 2
87x Input 3

**Relays - N/O and changeover**
*Code / Function*
88 Input
88a Output 1
88b Output 2
88c Output 3
88z Input 1
88y Input 2
88x Input 3

**Directional signals**
*Code / Function*
C Indicator lamp 1
C2 Indicator lamp 2
C0 Main connection for separate indicator circuits worked by turn signal switch
C3 Indicator lamp 3 (e.g., when towing two trailers)
L Turn-signal lamps, left
R Turn-signal lamps, right