

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 CodeFunction
- 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)

CodeFunction

- 54 Trailer plug connections and lighting combinations, brake light
- 54g Pneumatic valve for continuous brake in trailer, solenoid-operated Lighting CodeFunction
- 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
- 58b 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 CodeFunction
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

CodeFunction

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