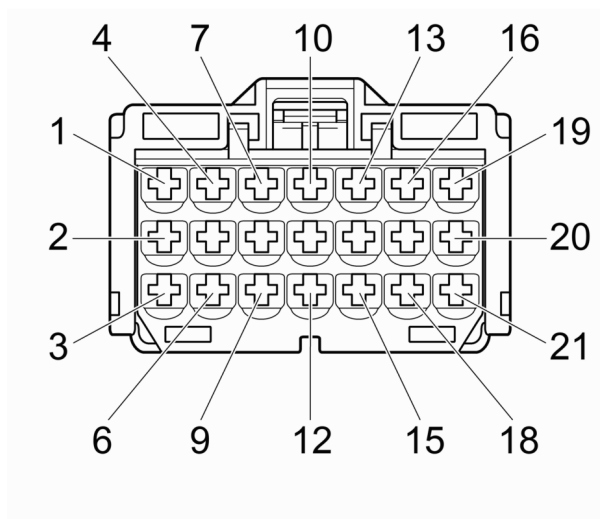
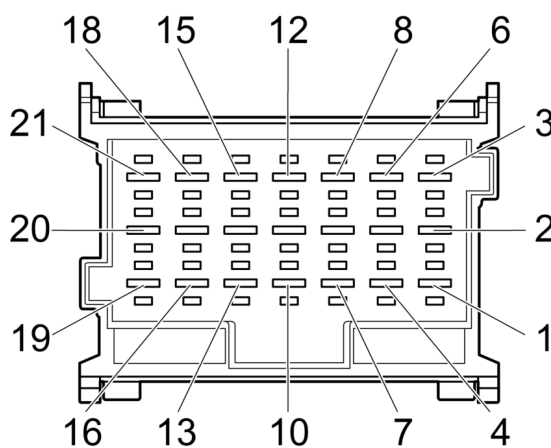
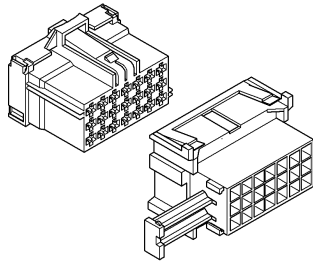


YS2R6X400E9183544 / VIS, Visibility system / E 32, CUV control unit / CUV1 / S, Switches / S139, Lighting switch module

C 274, Connector



C 274, Connector



E 32, CUV control unit

The CUV control unit has three multipin connectors and a 2-pin connector for the voltage supply. It comprises a driver stage which functions as a fuse in the event of overloading. The control unit receives information from the visibility system switch and controls and from other systems via the CAN link. It interprets the information and activates the requested functions or sends messages via the CAN link to other control units.

The control unit has three multipin connectors (15-, 18- and 21-pin) and a 2-pin connector for the voltage supply. Connector CCon-

Pin	Description	Signal type	Source/Destination
A 1-2	Voltage supply for CUV	Input signal, +24 V	C55
B1	Horn	Output signal, +24 V	Horn
B2	Activate the reversing light relay	Output signal, +24 V	Relay R24
B3	Activate the brake light relay	Output signal, +24 V	Relay R8
B4	Main beam LH	Output signal, +24 V	Main beam LH
B5	Ground		G14
B6	Windscreen wipers, low speed	Output signal, +24 V	Wiper motor
B7	Dipped beam RH	Output signal, +24 V	Dipped beam on the right-hand side
B8	Wiper speed interval	Input signal, analogue	Direction indicator and wiper lever
B9	Not used		
B10	Windscreen washer	Output signal, +24 V	Windscreen washer
B11	Starter key is in the drive position	Input signal, +24 V	Starter lock
B12	CANL	CAN	

B13	Windscreen wipers, high speed	Output signal, +24 V	Wiper motor
B14	Not used		
B15	CANH	CAN	

Pin	Description	Signal type	Source/Destination
C1	Indicator lamp for hazard warning signal	Output signal, +24V	Lighting switch module S139
C2	Activate the horn	Input signal, ground	Signal switch in the steering wheel
C3	Activate the main beam flasher	Input signal, ground	Direction indicator and wiper lever
C4	Dipped beam LH	Output signal, +24V	Dipped beam on the left-hand side
C5	Activate the bumper-mounted spotlight	Input signal, ground	Extra lighting module S140
C6	Activate the sun visor-mounted spotlight	Input signal, ground	Extra lighting module S140
C7	Main beam RH	Output signal, +24V	Main beam on the right-hand side
C8	Ground	Ground	G14
C9	Activate work light	Input signal, ground	Extra lighting module S140
C10	Direction indicator front right	Output signal, +24V	Direction indicator front right
C11	Activate hazard warning signal	Input signal, ground	Lighting switch module S139
C12	Activate the parking lighting	Input signal, ground	Lighting switch module S139
C13	Direction indicator rear left	Output signal, +24V	Direction indicator rear left
C14	Lighting off/parking light	Input signal, ground	Lighting switch module S139
C15	Activate the direction indicator, RH side	Input signal, ground	Direction indicator and wiper lever
C16	Headlamp wipers	Output signal, +24V	Headlamp wiper Headlamp washer

nector D

C17	Switch for main/dipped beam	Input signal, ground	Direction indicator and wiper lever
C18	Activate the direction indicator, LH side	Input signal, ground	Direction indicator and wiper lever

Pin	Description	Signal type	Source/Destination
D1	Rear foglight	Output signal, +24V	Rear foglight
D2	Direction indicator, rear right on trailer	Output signal, +24V	Trailer socket
D3	Activate dipped beam/parking lights	Input signal, ground	Lighting switch module S139
D4	Direction indicator, rear left on trailer	Output signal, +24V	Trailer socket
D5	Activate the windscreen washer	Input signal, ground	Direction indicator and wiper lever
D6	High-mounted headlamps indication	Input signal, ground	Switch for e.g. snow plough lighting
D7	Sun visor-mounted spotlight	Output signal, +24V	Sun visor-mounted spotlights
D8	Activate front foglight	Input signal, ground	Front foglight
D9	Extra connection		
D10	Direction indicator rear right	Output signal, +24V	Direction indicator rear right
D11	Activate rear foglight	Input signal, ground	Extra lighting module S140
D12	Washer fluid level indication	Input signal, ground	Washer container
D13	Work light	Output signal, +24V	Work light
D14	Extra connection		
D15	Windscreen wiper end position	Input signal, ground	Wiper motor
D16	Direction indicator, front left	Output signal, +24V	Direction indicator, front left
D17	Activate the windscreen wiper, high or low speed	Input signal, analogue	Direction indicator and wiper lever
D18	Activate electrical equipment with high current consumption	Output signal, +24V	Relay 19

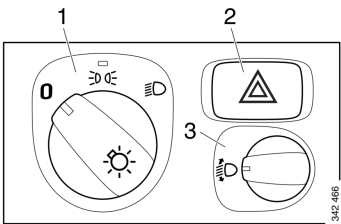
D19	Bumper-mounted spotlight	Output signal, +24V	Bumper-mounted spotlights
D20	Front foglight	Output signal, +24V	Front foglight
D21	Activate the parking light relay	Output signal, +24V	Relay 21

S 139, Lighting switch module

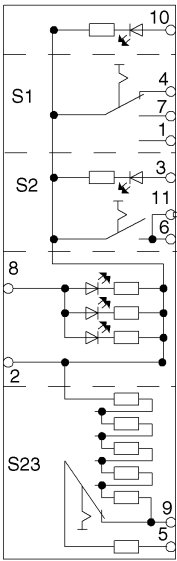
Switch module for external lighting.

Pin	Description	Comments
1	Dipped beam and parking.	Internally connected to pin 2 when the lighting button (S1) is in the dipped beam or parking positions.
2	Ground	
3	Indicator lamp for warning light.	Internally connected to pin 2 via the LED in switch S2.
4	Lighting off.	Internally connected to pin 2 when switch S1 is in position 0.
5	Control voltage to the light control motors.	Internally connected to pin 9. The resistance between pins 5 and 9 varies according to the position ¹ of the switch (S23). See below.
6	Warning light.	Internally connected to pin 2 when switch S2 is in the active position.
7	Parking light and off.	Internally connected to pin 2 when switch S1 is in the parking light position or 0 position.
8	Instrument panel lighting.	Internally connected to pin 2 via the lighting in the panel.
9	Power supply to the light control motors.	Internally connected to pin 5. Voltage supply only.
10	Parking light indication.	Internally connected to pin 2 via the LED in switch S1.
11	Wake-up signal from LAS.	Internally connected to pin 6.

Switch position (S23) ¹	Resistance value
1	389.6 ohms
2	1.388 kohms
3	2.384 kohms
4	3.383 kohms
5	4.382 kohms
6	5.381 kohms



S 139, Lighting switch module



S 139, Lighting switch module
