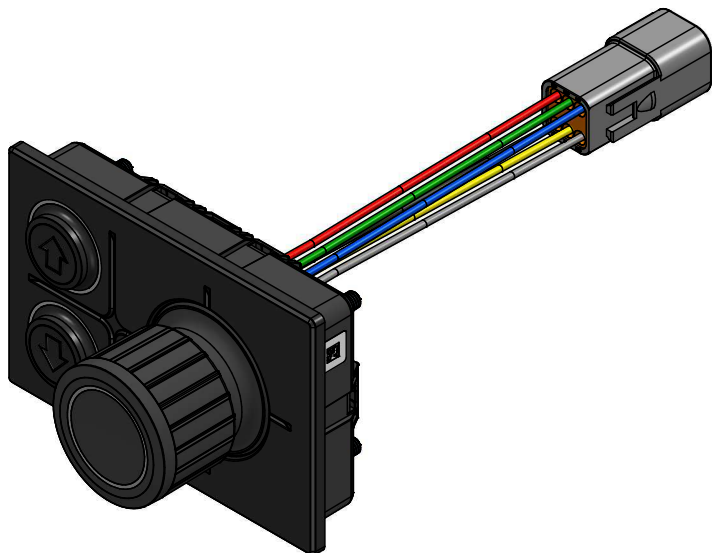
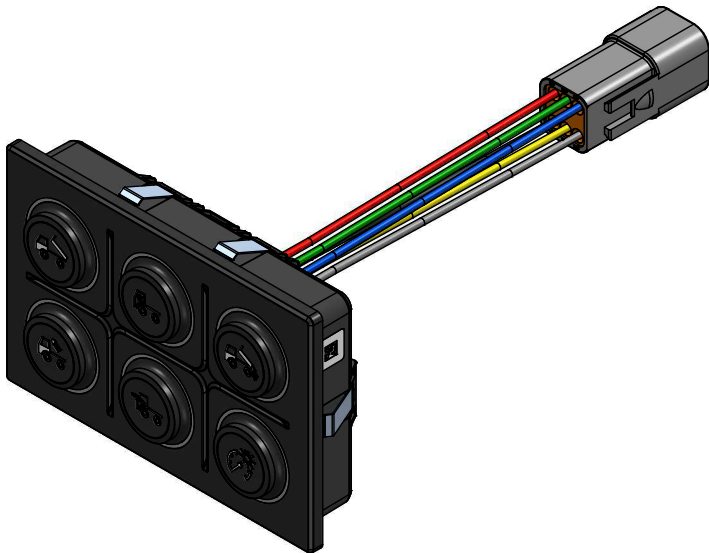


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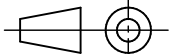
Design In Kits for S09 Rugged Keypads

exemplary representation of individual variants



revision	zone	date	description		RP - no.
01	-	10.01.2022	initial edition		1026
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-	-	-			-
-	-	-			-
-	-	-			-
-	-	-			-

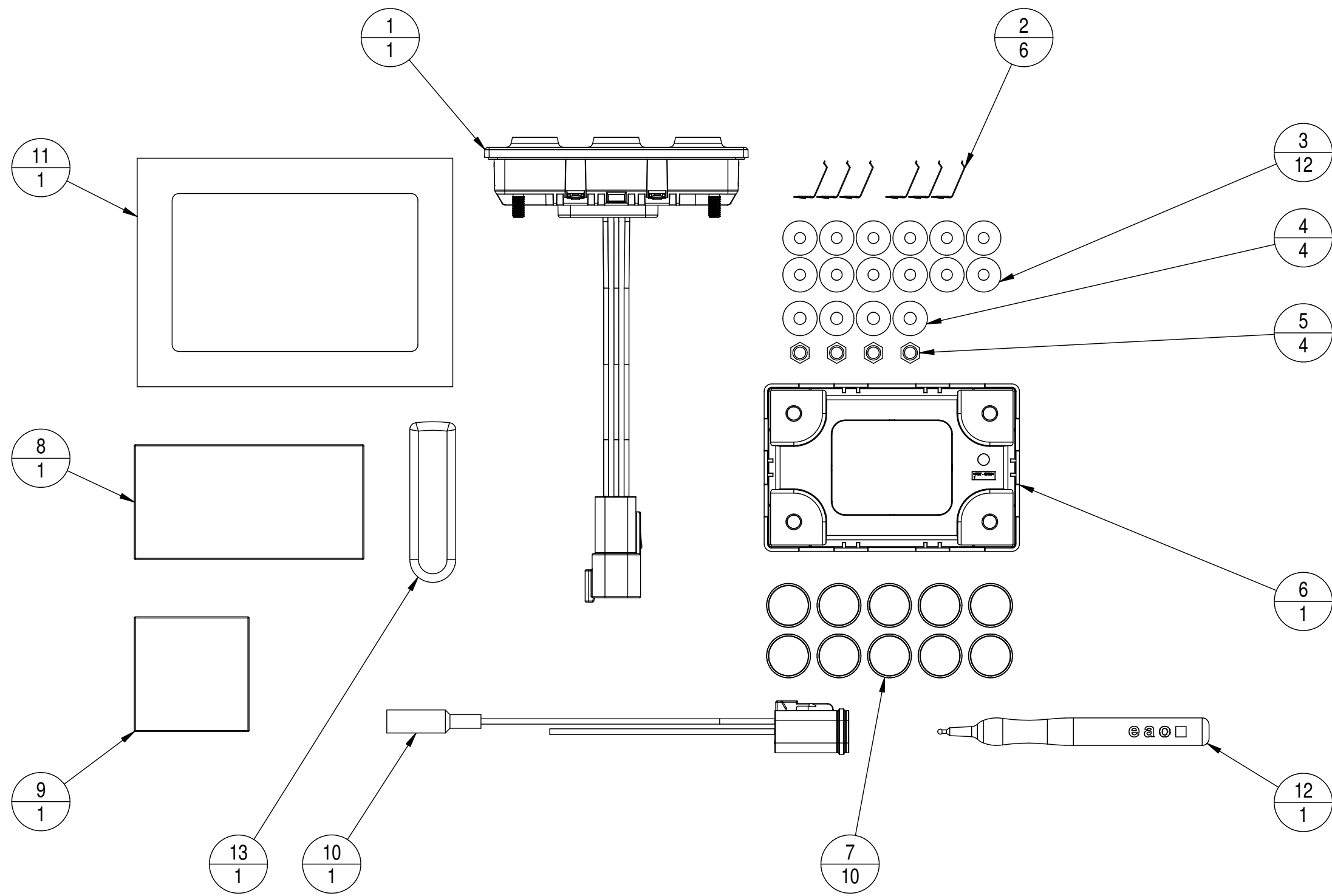
- sheet 1: cover
- sheet 2: scope of delivery CAN keypad
- sheet 3: scope of delivery CAN RCC
- sheet 4: scope of delivery hardwired keypad 12 V
- sheet 5: scope of delivery hardwired keypad 24 V
- sheet 6: mounting specifications - assembly CAN keypad
- sheet 7: mounting specifications - assembly CAN RCC
- sheet 8: mounting specifications - assembly hardwired
- sheet 9: circuit diagrams - electrical connection

description				drawing no.		revision	
S09 outdoor Design-In Kits				2002940001		01	
e a o  EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 08209 Auerbach GERMANY	scale	format	weight	document type		status	
	1:2	A 3	-	product information		only for information	
	1st angle projection		all dimensions are in millimeters		date	name	sheet no.
					drawn	approved	
		10.01.2022	EBJ	1/9			
		17.01.2022	SCR				

revision	21	date	22	description	23	24
01	-	10.01.2022	-	initial edition	-	FP - no
-	-	-	-	-	-	1026
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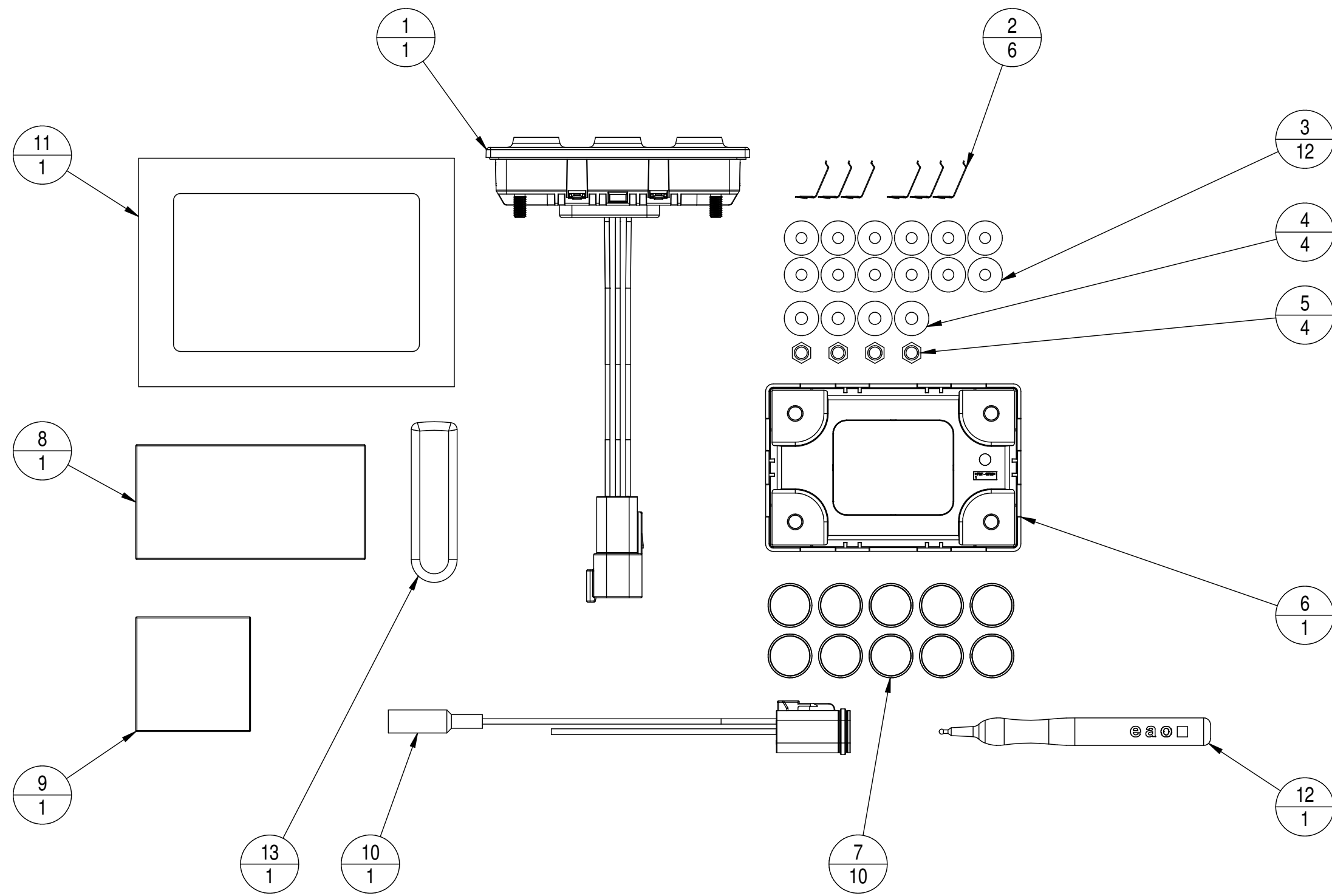
scope of delivery CAN keypad

CANopen Design- in kit - 09-0A22.1111



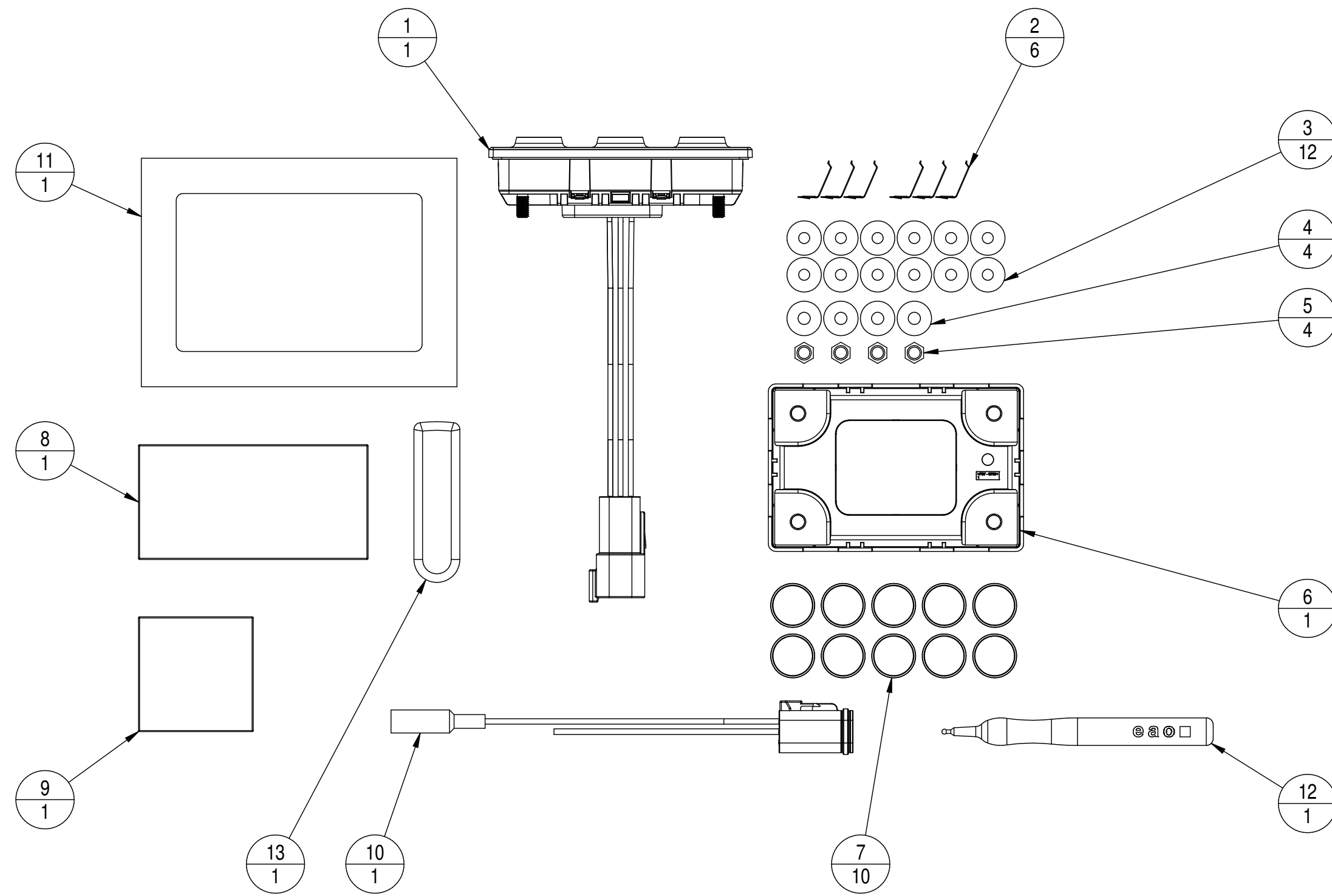
pos.	description	qty.	comment
1	CAN IP67 keypad; CANopen; Screw-in; LoadDump B; RGB	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-0S12.5005 acc. to IEC 60417 1x 09-0S12.5006 acc. to IEC 60417 1x 09-0S12.1388 acc. to DIN ISO 7000 1x 09-0S12.0244 acc. to DIN ISO 7000 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 1x 09-0S12.1387 acc. to DIN ISO 7000 1x 09-0S12.0085 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001
13	USB-Stick	1	

J1939 Design- in kit - 09-0A12.1111



pos.	description	qty.	comment
1	CAN IP67 keypad; J1939; Screw-in; LoadDump B; RGB	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-0S12.5005 acc. to IEC 60417 1x 09-0S12.5006 acc. to IEC 60417 1x 09-0S12.1388 acc. to DIN ISO 7000 1x 09-0S12.0244 acc. to DIN ISO 7000 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 1x 09-0S12.1387 acc. to DIN ISO 7000 1x 09-0S12.0085 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001
13	USB-Stick	1	

CANopen safety Design- in kit - 09-0A32.1111



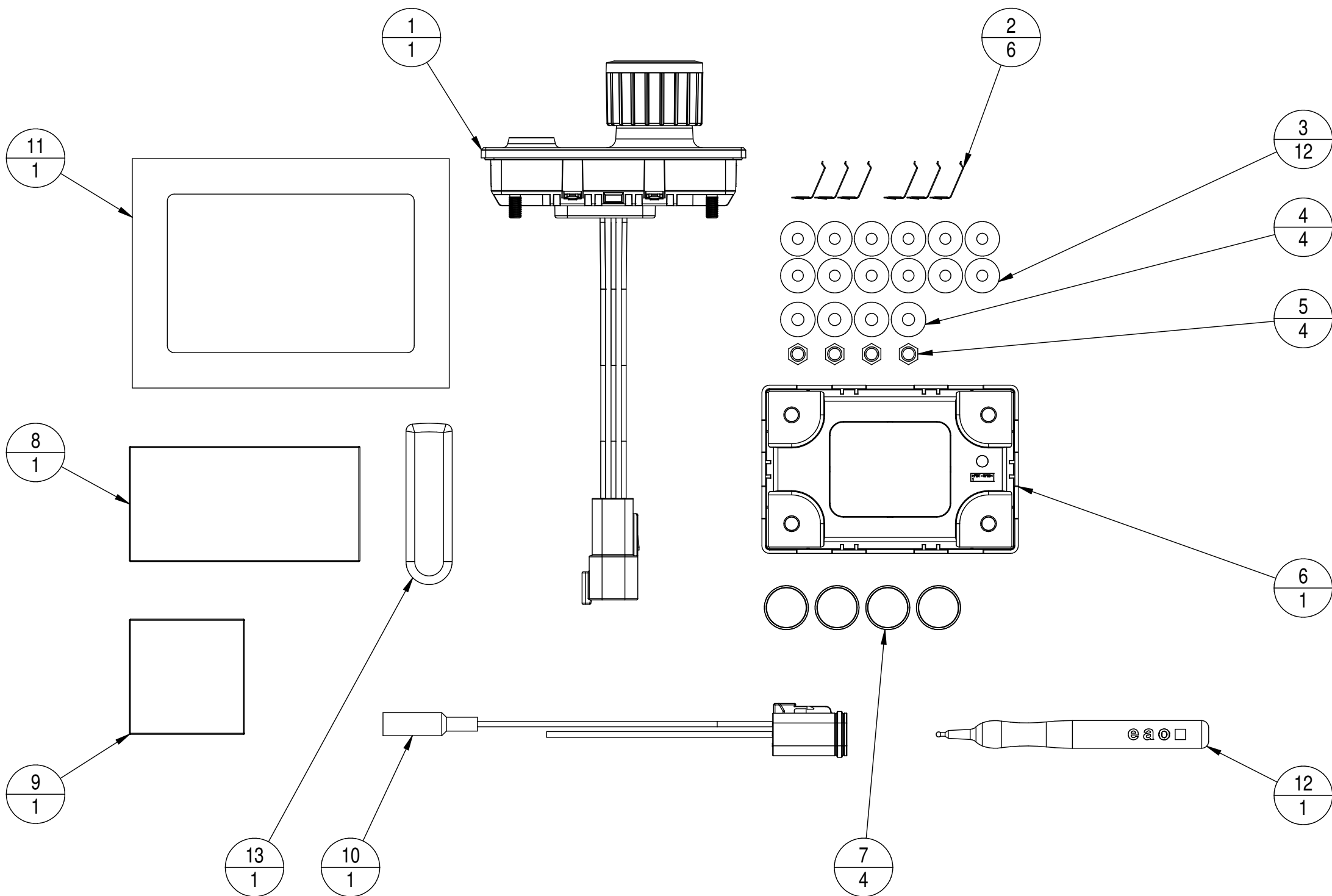
pos.	description	qty.	comment
1	CAN IP67 keypad; CANopen Safety - BS 10 s; Screw-in; LoadDump B; RGB	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-0S12.5005 acc. to IEC 60417 1x 09-0S12.5006 acc. to IEC 60417 1x 09-0S12.1388 acc. to DIN ISO 7000 1x 09-0S12.0244 acc. to DIN ISO 7000 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 1x 09-0S12.1387 acc. to DIN ISO 7000 1x 09-0S12.0085 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001
13	USB-Stick	1	

description	S09 outdoor Design-In Kits	drawing no.	2002940001	revision	01
eao	scale 1:2, format A 0, weight -, document type product information	status	only for information	date 10.01.2022	name EBU
1st angle projection				drawn	10.01.2022
all dimensions are in millimeters				approved	17.01.2022
				sheet no.	2/9

revision	21	22	23	24
date	10.01.2022			
description	initial edition			
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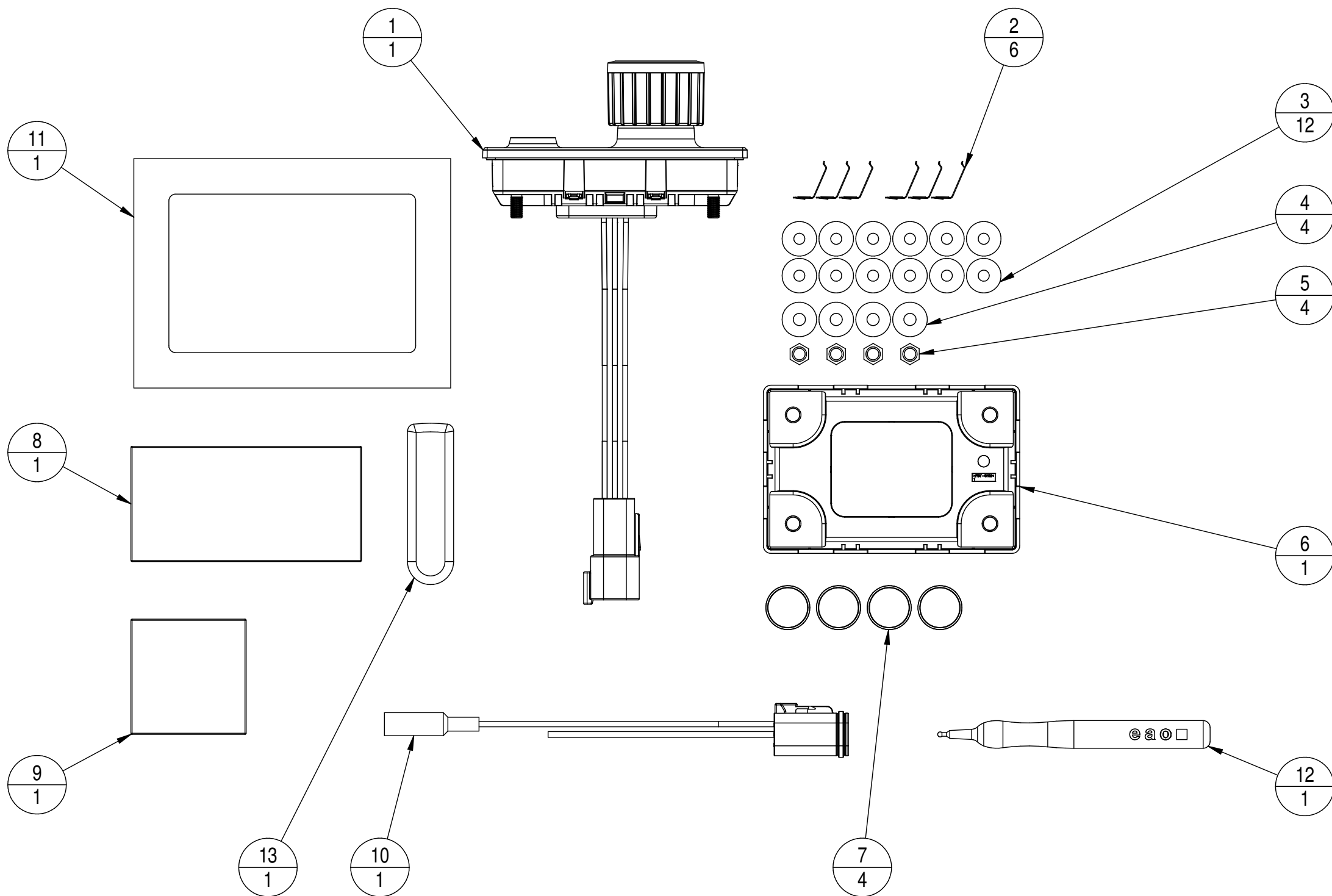
scope of delivery CAN RCC

RCC CANopen Design- in kit - 09-1A22.1111



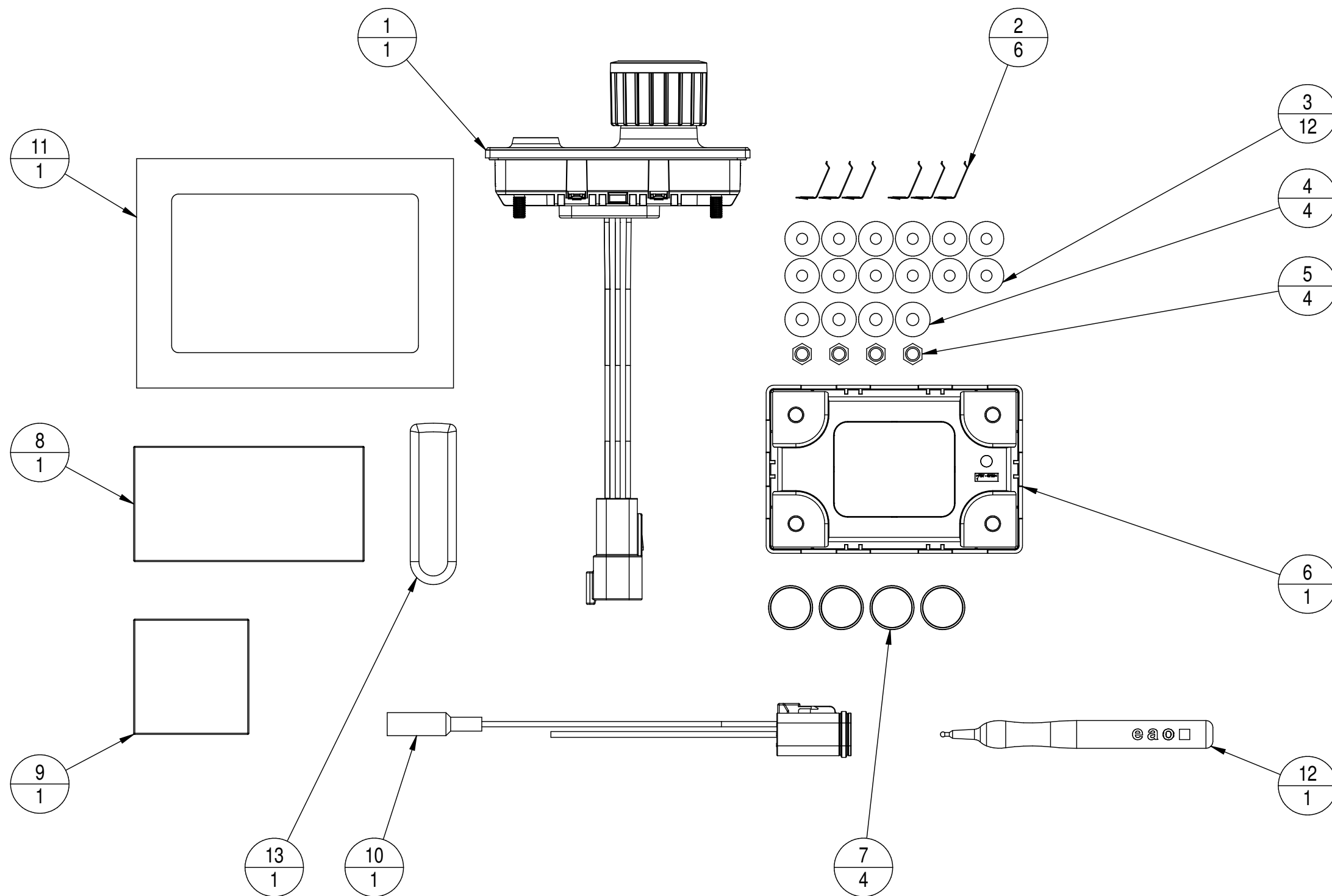
pos.	description	qty.	comment
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2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	4	graphical symbols: 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001
13	USB-Stick	1	

RCC J1939 Design- in kit - 09-1A12.1111



pos.	description	qty.	comment
1	CAN IP67 RCC; J1939; Screw-in; LoadDump B; RGB	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	4	graphical symbols: 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001
13	USB-Stick	1	

RCC CANopen safety Design- in kit - 09-1A32.1111



pos.	description	qty.	comment
1	CAN IP67 RCC; CANopen Safety - BS 10 s; Screw-in; LoadDump B; RGB	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	4	graphical symbols: 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001
13	USB-Stick	1	

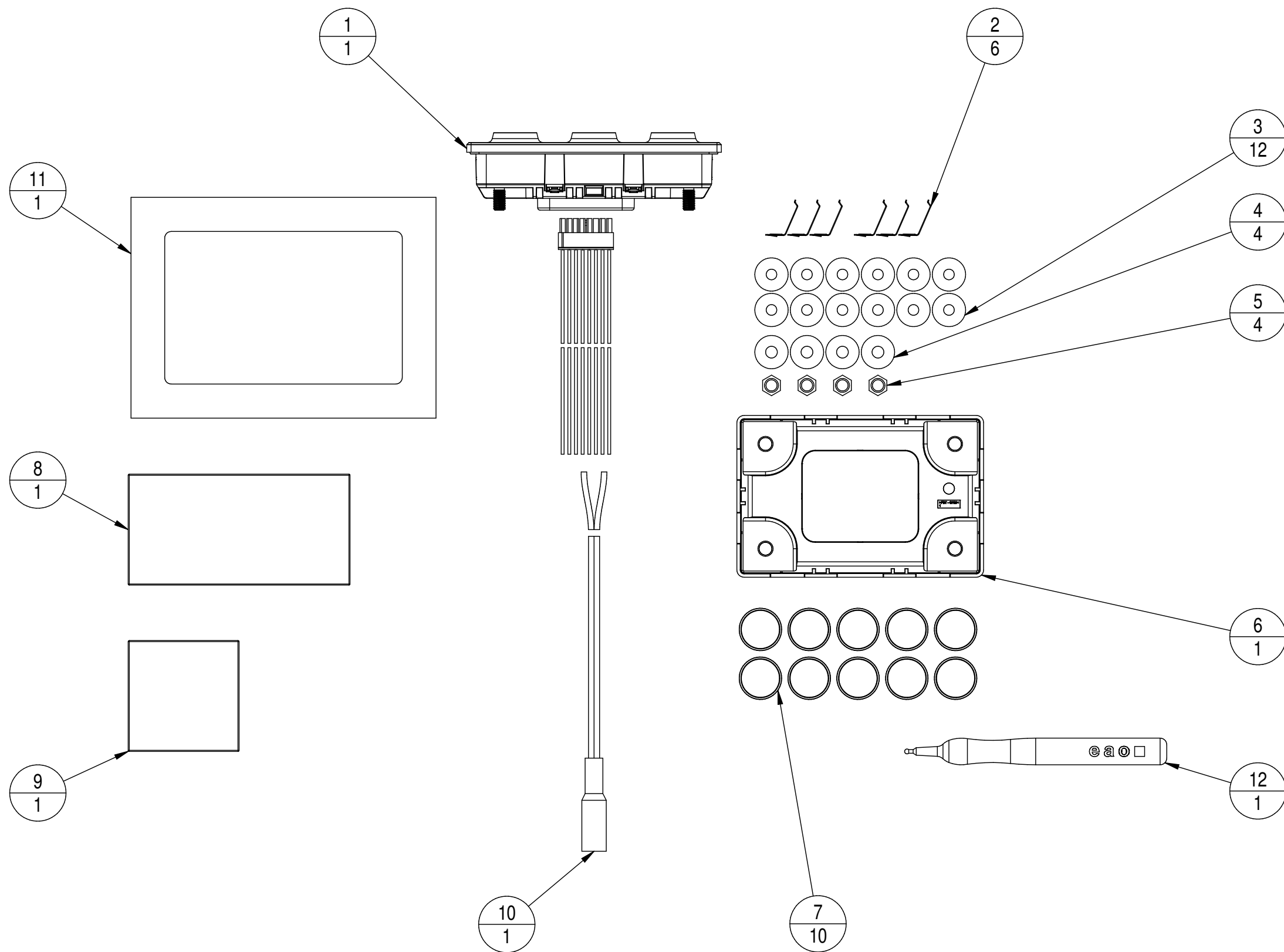
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S09 outdoor Design-In Kits	2002940001	01
scale 1:2	format A 0	weight -
document type product information	status only for information	date 10.01.2022
drawn EBU	approved 17.01.2022	sheet no. 3/9

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scope of delivery hardwired keypad 12 V

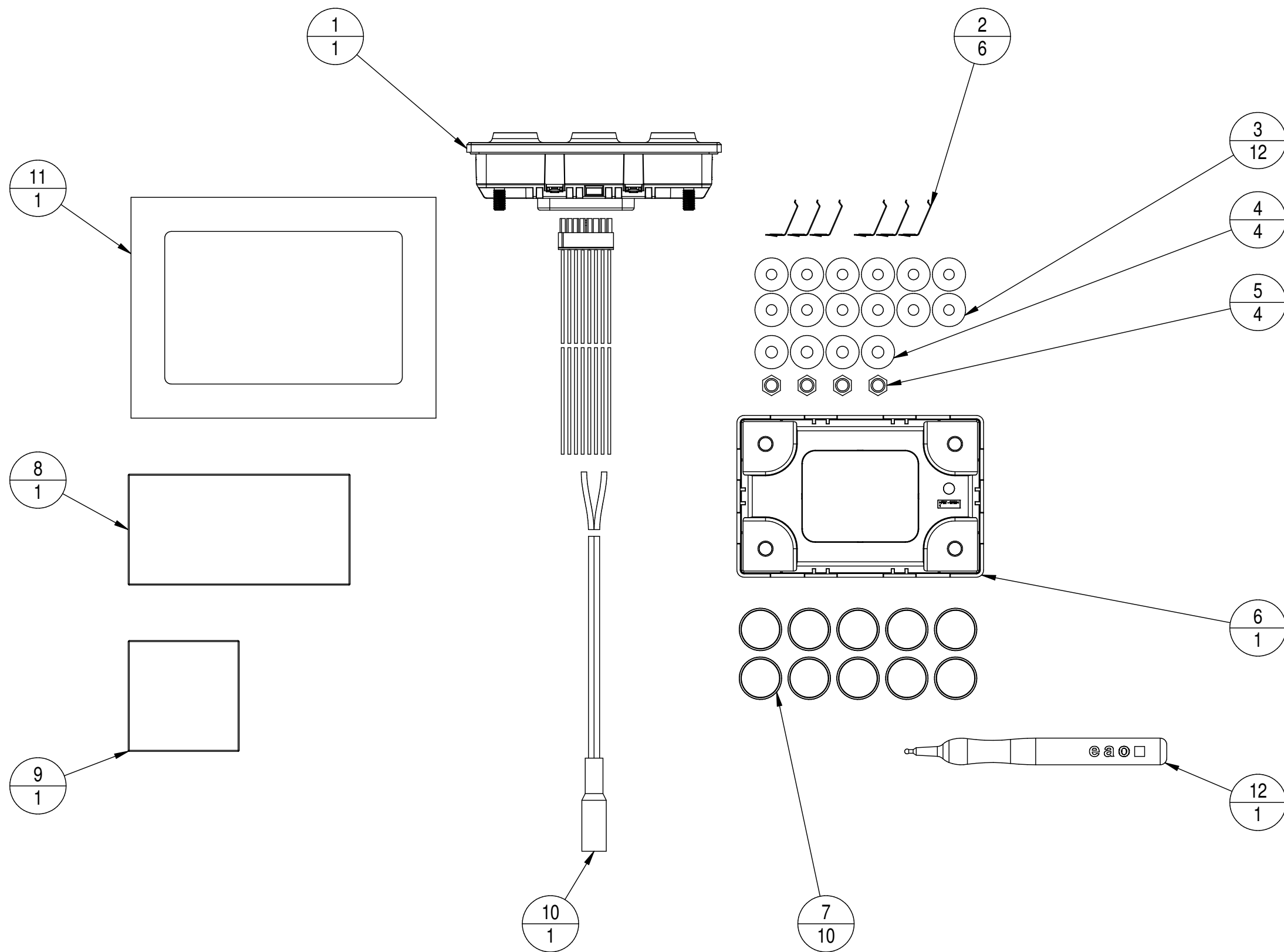
revision	zone	date	description	RP - no.
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-	-	-	-	-
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-	-	-	-	-
-	-	-	-	-

Keypad Design-in kit 12V - 09-0A72.3132



Keypad Design-in kit 12V - 09-0A72.3132			
pos.	description	qty.	comment
1	CAN IP67 keypad; hardwired; Screw-in; 12V; LED red	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-OS12.5005 acc. to IEC 60417 1x 09-OS12.5006 acc. to IEC 60417 1x 09-OS12.1388 acc. to DIN ISO 7000 1x 09-OS12.0244 acc. to DIN ISO 7000 1x 09-OS12.2810 acc. to DIN ISO 7000 1x 09-OS12.2811 acc. to DIN ISO 7000 1x 09-OS12.1387 acc. to DIN ISO 7000 1x 09-OS12.0085 acc. to DIN ISO 7000 2x 09-OS12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001

Keypad Design-in kit 12V with Namur - 09-0A72.3152



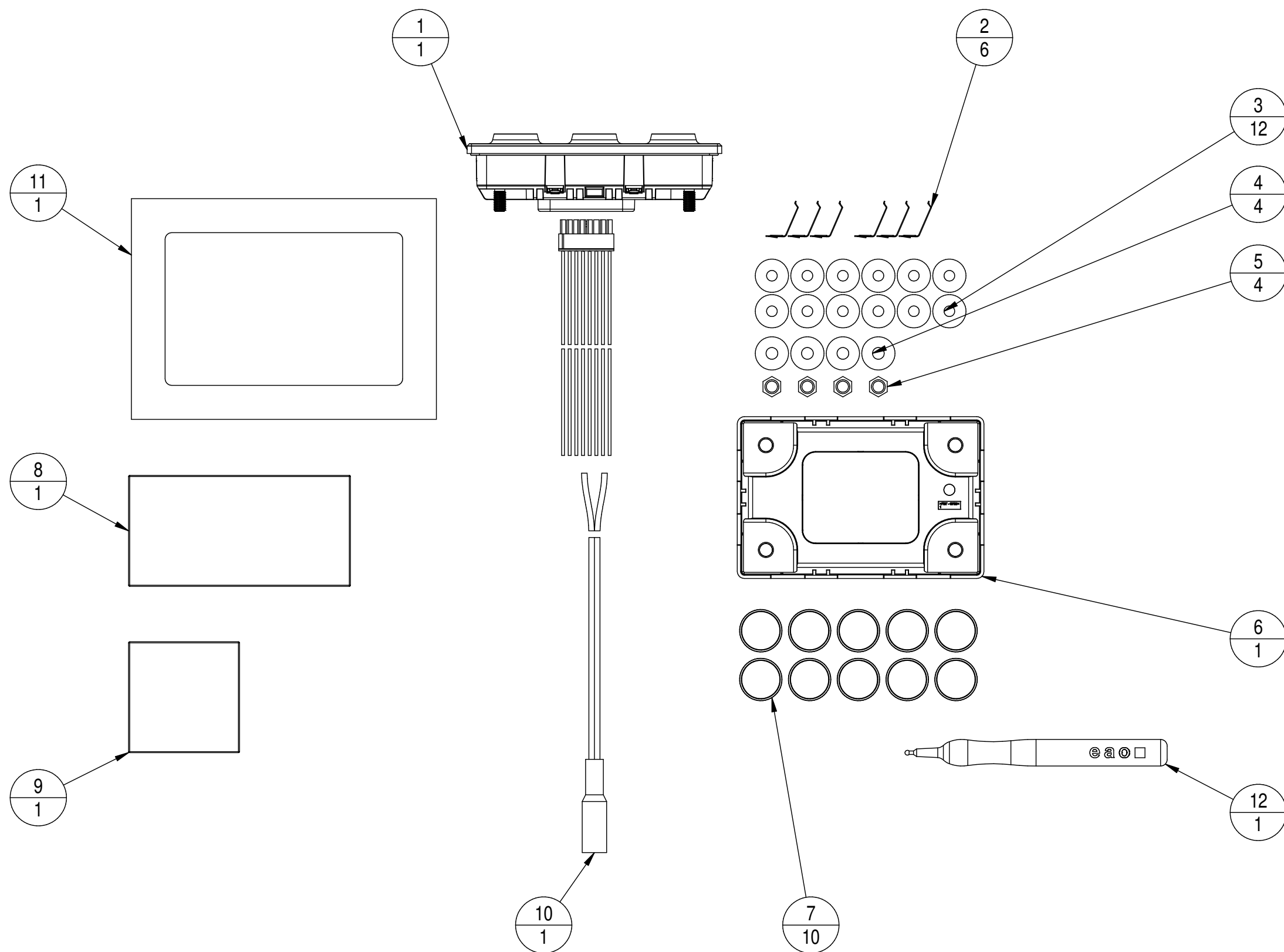
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pos.	description	qty.	comment
1	CAN IP67 keypad; hardwired; Screw-in; 12V with Namur; LED red	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-OS12.5005 acc. to IEC 60417 1x 09-OS12.5006 acc. to IEC 60417 1x 09-OS12.1388 acc. to DIN ISO 7000 1x 09-OS12.0244 acc. to DIN ISO 7000 1x 09-OS12.2810 acc. to DIN ISO 7000 1x 09-OS12.2811 acc. to DIN ISO 7000 1x 09-OS12.1387 acc. to DIN ISO 7000 1x 09-OS12.0085 acc. to DIN ISO 7000 2x 09-OS12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001

description				drawing no.	revision
S09 outdoor Design-In Kits				2002940001	01
eao EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 88269 Auerbach GERMANY				status only for information	
scale 1:2	format A 1	weight -	document type product information	date 10.01.2022	name EBJ
1st angle projection		all dimensions are in millimeters		drawn 17.01.2022	sheet no. 4/9

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EAO Automotive GmbH & Co. KG, Richard-Wagner-Straße 3, 08209 Auerbach, Germany

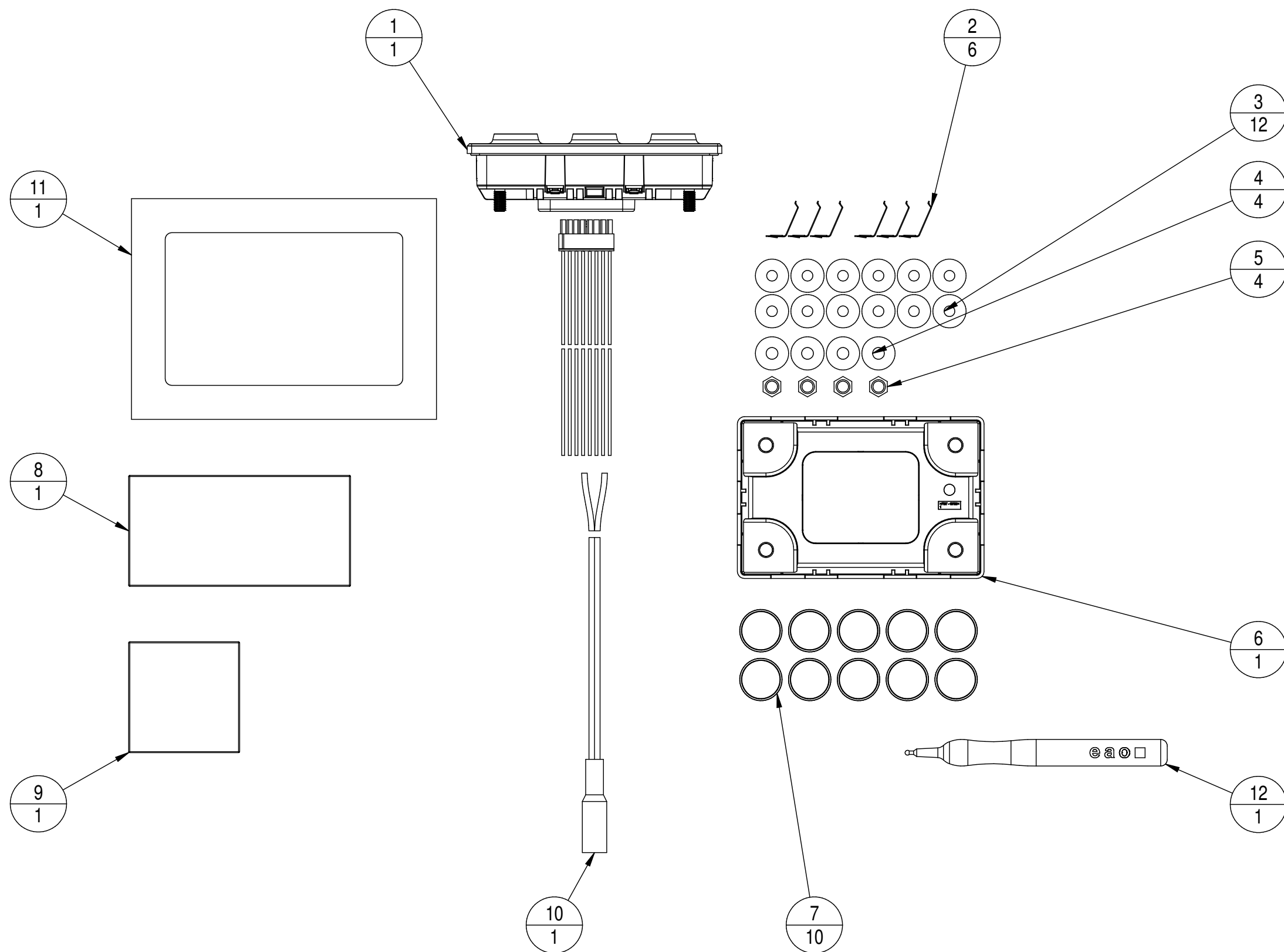
scope of delivery hardwired keypad 24 V

Keypad Design-in kit 24V - 09-0A72.3142



Keypad Design-in kit 24V - 09-0A72.3142			
pos.	description	qty.	comment
1	CAN IP67 keypad; hardwired; Screw-in; 24V; LED red	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-0S12.5005 acc. to IEC 60417 1x 09-0S12.5006 acc. to IEC 60417 1x 09-0S12.1388 acc. to DIN ISO 7000 1x 09-0S12.0244 acc. to DIN ISO 7000 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 1x 09-0S12.1387 acc. to DIN ISO 7000 1x 09-0S12.0085 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001

Keypad Design-in kit 24V with Namur - 09-0A72.3162



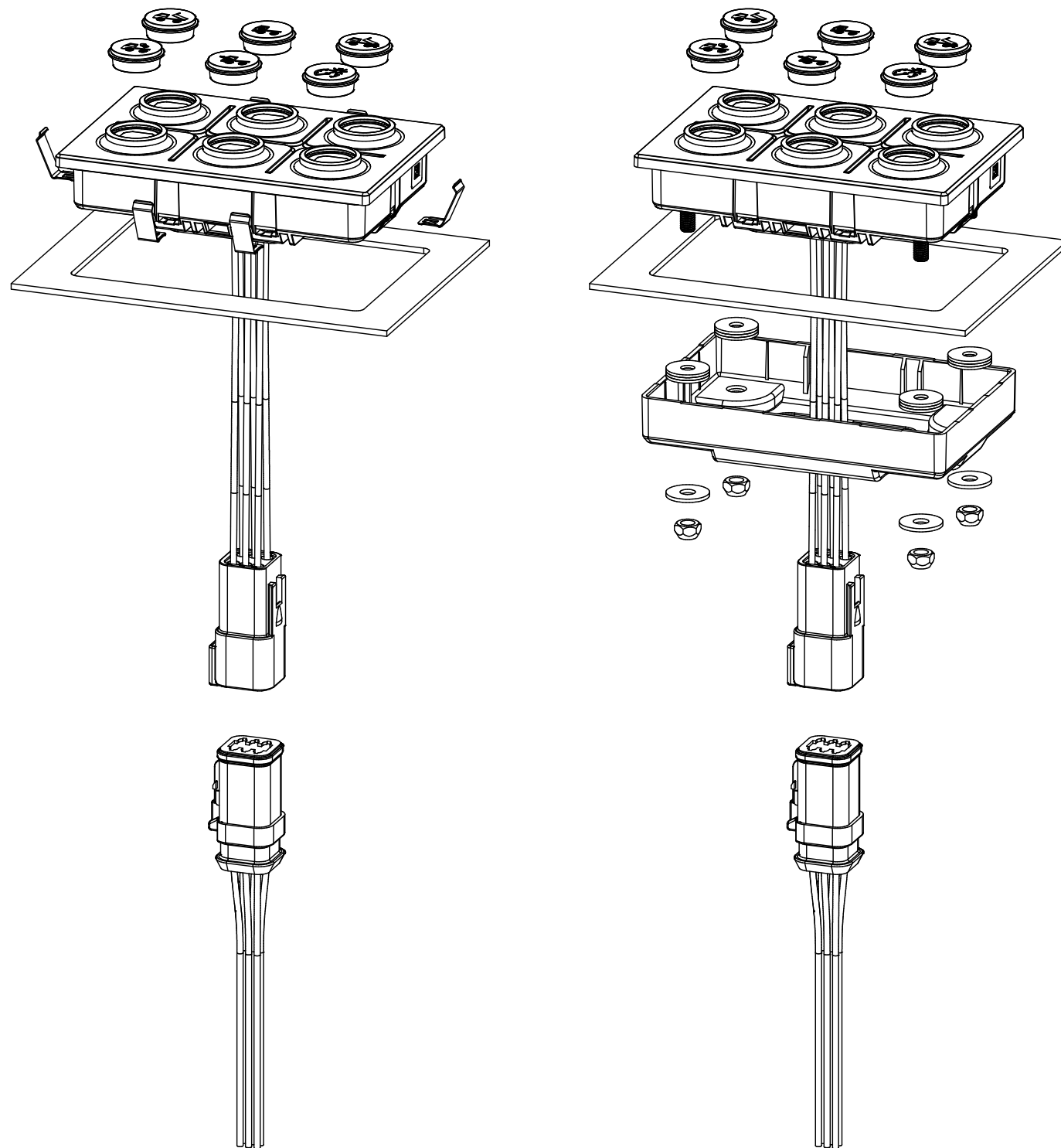
Keypad Design-in kit 24V with Namur - 09-0A72.3162			
pos.	description	qty.	comment
1	CAN IP67 keypad; hardwired; Screw-in; 24V with Namur; LED red	1	
2	retaining clip for 2 mm panel	6	
3	rubber washer 4,8x15x1	12	quantity depending on panel thickness: 1 mm: 0 per stud 2 mm: 1 per stud 3 mm: 2 per stud 4 mm: 3 per stud
4	washer DIN9021 stainless A2	4	
5	nut	4	
6	coupler	1	
7	symbol insert	10	graphical symbols: 1x 09-0S12.5005 acc. to IEC 60417 1x 09-0S12.5006 acc. to IEC 60417 1x 09-0S12.1388 acc. to DIN ISO 7000 1x 09-0S12.0244 acc. to DIN ISO 7000 1x 09-0S12.2810 acc. to DIN ISO 7000 1x 09-0S12.2811 acc. to DIN ISO 7000 1x 09-0S12.1387 acc. to DIN ISO 7000 1x 09-0S12.0085 acc. to DIN ISO 7000 2x 09-0S12.0251 acc. to DIN ISO 7000
8	power supply	1	
9	plug adapter	1	
10	adapter cable keypad	1	
11	mounting frame aluminium 2 mm	1	
12	insert tool	1	09-0A00.0001

revision	zone	date	description	RP - no.
01	-	10.01.2022	initial edition	1026
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description				drawing no.		revision
S09 outdoor Design-In Kits				2002940001		01
eao				status		
EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 08209 Auerbach GERMANY				only for information		
scale	format	weight	document type	date	name	sheet no.
1:2	A 1	-	product information	10.01.2022	EBJ	5/9
1st angle projection		all dimensions are in millimeters		drawn	approved	
				17.01.2022	SCR	

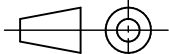
mounting specifications assembly CAN IP67 KEYPADS

exemplary representation of the symbols



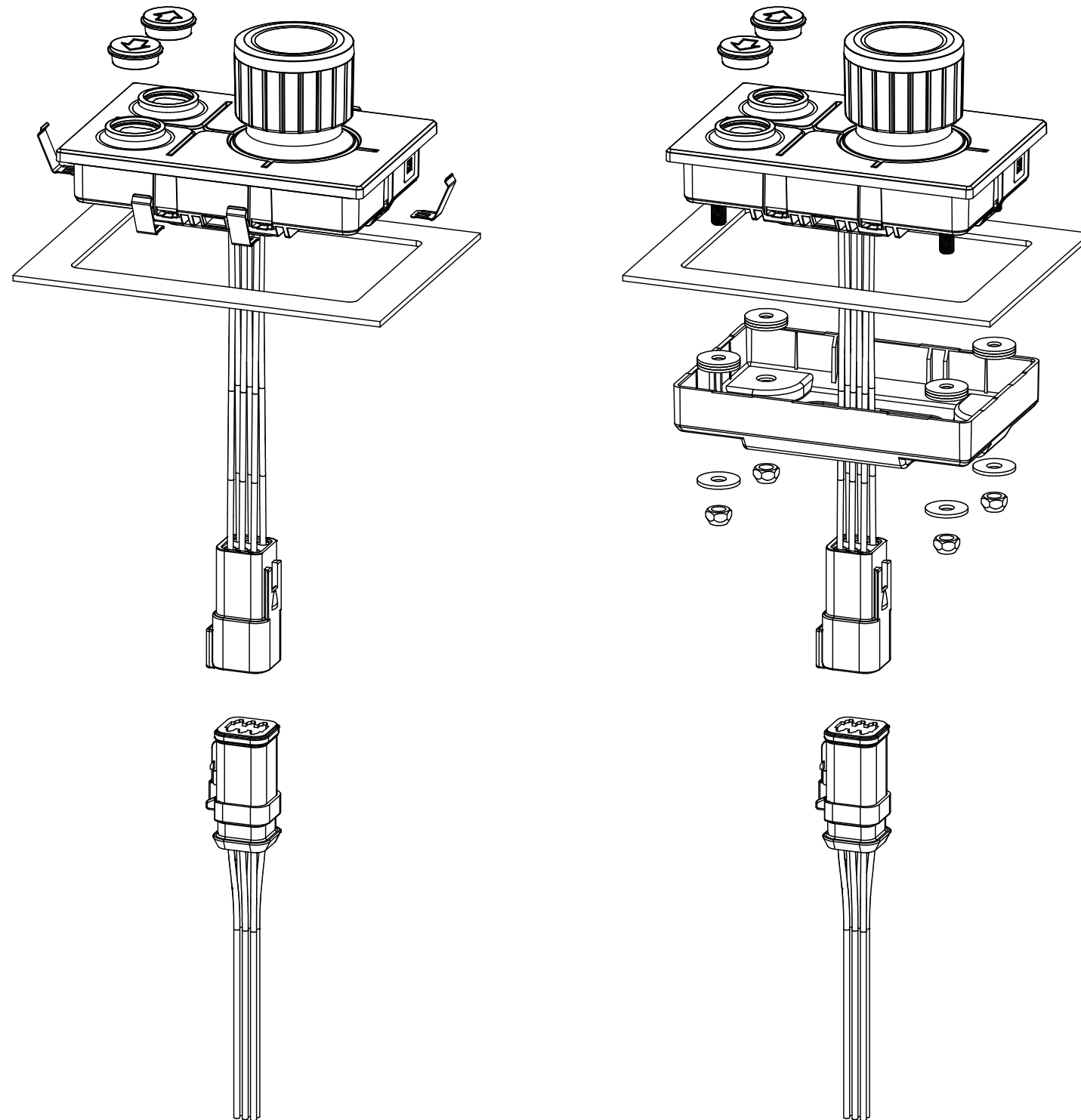
mounting and demounting of the symbol inserts with insert tool 09-0A00.0001

revision	zone	date	description	RP - no.
01	-	10.01.2022	initial edition	1026
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-	-	-	-	-
-	-	-	-	-
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description				drawing no.		revision	
S09 outdoor Design-In Kits				2002940001		01	
eao  EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 08209 Auerbach GERMANY	scale	format	weight	document type		status	
	1:2	A 3	-	product information		only for information	
	1st angle projection		all dimensions are in millimeters		date	name	sheet no.
					drawn 10.01.2022	EBJ	6/9
				approved	17.01.2022	SCR	

mounting specifications assembly CAN IP67 RCC

exemplary representation of the symbols



mounting and demounting of the symbol inserts with insert tool 09-0A00.0001

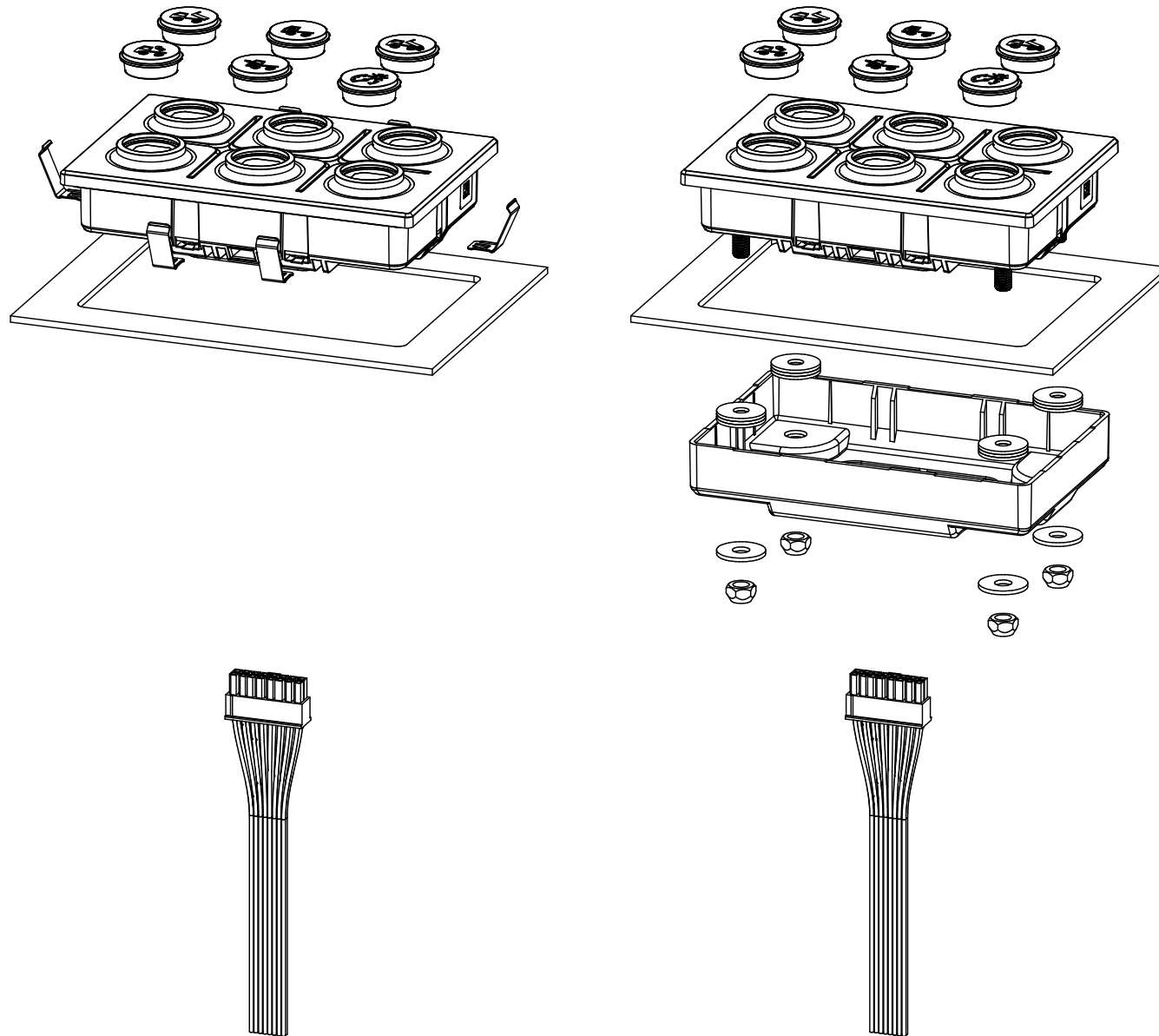
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-	-	-	-	-

description					drawing no.		revision		
S09 outdoor Design-In Kits					2002940001		01		
e a o  EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 08209 Auerbach GERMANY	scale	format	weight	document type		status			
	1:2	A 3	-	product information		only for information			
	1st angle projection		all dimensions are in millimeters				date	name	sheet no.
						drawn	10.01.2022	EBJ	7/9
						approved	17.01.2022	SCR	

mounting specifications

assembly hardwired IP67 KEYPADS

exemplary representation of the symbols



mounting and demounting of the symbol inserts with insert tool 09-0A00.0001

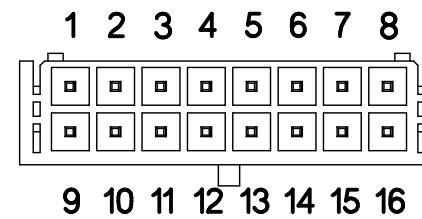
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description				drawing no.		revision	
S09 outdoor Design-In Kits				2002940001		01	
eao EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 08209 Auerbach GERMANY				scale	format	weight	document type
				1:2	A 3	-	product information
				1st angle projection		all dimensions are in millimeters	
				status		only for information	
				date	name	sheet no.	
				drawn	10.01.2022	EBJ	8/9
				approved	17.01.2022	SCR	

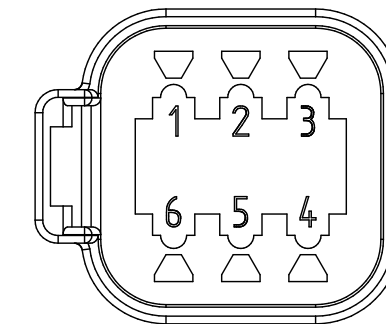
circuit diagram IP67 keypad 6PB hardwired

variants with NAMUR
 $R_s = 120\ \Omega$
 $R_p = 1\ \text{k}\Omega$

variants without NAMUR
 $R_s = 0\ \Omega$
 $R_p = \text{not placed}$



pushbutton number



connections WR-MPC3 16

mating plug: Wuerth 662 016 113 322

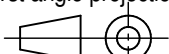
pin no.	signal	comment
pin 1	supply voltage haloring button 1	12 VDC or 24 VDC **
pin 2	supply voltage haloring button 2	12 VDC or 24 VDC **
pin 3	supply voltage haloring button 3	12 VDC or 24 VDC **
pin 4	supply voltage haloring button 4	12 VDC or 24 VDC **
pin 5	supply voltage haloring button 5	12 VDC or 24 VDC **
pin 6	supply voltage haloring button 6	12 VDC or 24 VDC **
pin 7	supply voltage symbol lighting	12 VDC or 24 VDC **
pin 8	GND lighting	
pin 9	GND lighting	
pin 10	common potential buttons	
pin 11	signal button 1	max. current 30 mA
pin 12	signal button 2	max. current 30 mA
pin 13	signal button 3	max. current 30 mA
pin 14	signal button 4	max. current 30 mA
pin 15	signal button 5	max. current 30 mA
pin 16	signal button 6	max. current 30 mA

** depending on purchased variant

connections 6 - DT (DT04-6P)

mating plug: Deutsch DT06-6S
 matching contacts: e.g. 1062-16-0122
 matching wedge: W6-S

pin no.	signal	wire	comment
pin 1	GND	black	
pin 2	CAN High	yellow	
pin 3	WakeUp Out	grey	
pin 4	WakeUp In	blue	
pin 5	CAN Low	green	
pin 6	Vcc	red	8 - 32 VDC

description				S09 outdoor Design-In Kits		drawing no. 2002940001		revision 01	
 EAO Automotive GmbH & Co. KG Richard-Wagner-Straße 3 08209 Auerbach GERMANY		scale 1:1	format A 3	weight -	document type product information		status only for information		
		1st angle projection 		all dimensions are in millimeters			date 10.01.2022	name EBJ	sheet no. 9/9
						approved	17.01.2022	SCR	

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