



Product Change Notification

TE Connectivity

Product Change Notification: PCN-24-215023

PCN Date: 17-JUL-24

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

Product Description: (Text limited to 120 characters)

Y396_35er_BDS- K1060684 K1060869 AL8-ES-Emergency Switch- K1163870 K1163730 K1155497 K1160310 K1166793

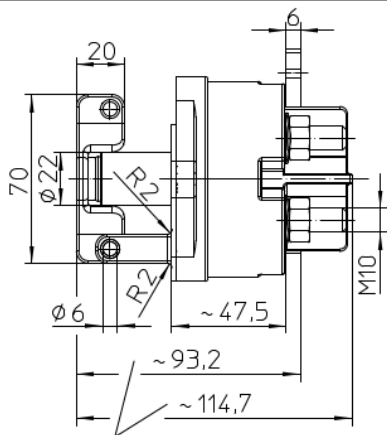
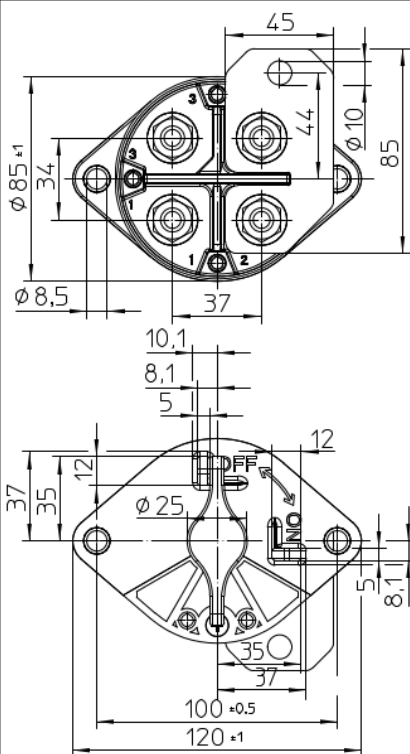
General Description of Changes

The Industrial and Commercial Transportation business unit of TE Connectivity is introducing an adjustment on customer drawings for the part number(s) listed below. These PNs are TE proprietary designs, therefore considered catalog/general market product and customer restricted product. This change has no influence on Form, Fit, Function, it is only document change.

EC No.

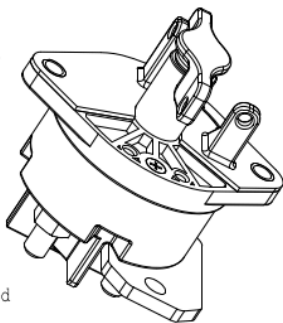
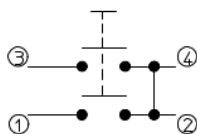
Battery Disconnector 2x500A

Page 1 of 2



In OFF Position

Circuit



Technical Data:

Case Material:Cover:.....Vyncolit black
 Base Plate:.....PA GF black
 Switch Lever Material:.....PA GF black
 Min. Insulation Resistance:.....100MΩ
 Dielectric Withstanding Voltage:.....1050V-1min
 Max. Contact Voltage Drop:.....150mV
 Voltage:.....up to 32VDC
 Continuous Rating:.....2x500A
 Overload:.....2x2000A-1.5min
2x2500A-10sec
 Sealing:.....IP 67/IEC 529
 Vibration:.....10G 18-500Hz
 Weight:.....860g / 1.9Pound
 Temperature Range:.....-40°C to +85°C
 Wire Section(at nominal load):.....min.250mm²
 Key:.....not removeable,black
 Max. Torque (Main Contacts)15-20Nm

Date	Name	nm	Scale
Drawn 05.06.2003	Bicer		1:2
Check 03.09.2007	Grind		

KISSLING
 Elektrotechnik - GmbH & Co KG
 D - 72216 Wildberg

Drawing No: 35-555
 NSN:

EC No.

Battery Disconnector 2x500A

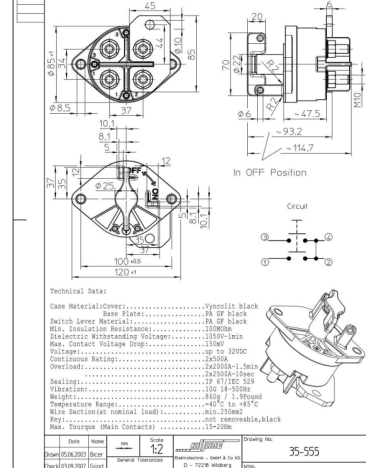
Page 1 of 2

D

C

B

A



Technical Data:

Case Material:Cover:.....Vyncolit black
 Base Plate:.....PA GF black
 Switch Lever Material:.....PA GF black
 Min. Insulation Resistance:.....100MΩ
 Dielectric Withstanding Voltage:.....1050V-1min
 Max. Contact Voltage Drop:.....150mV
 Voltage:.....up to 32VDC
 Continuous Rating:.....2x500A
 Overload:.....2x2000A-1.5min
2x2500A-10sec
 Sealing:.....IP 67/IEC 529
 Vibration:.....10G 18-500Hz
 Weight:.....860g / 1.9Pound
 Temperature Range:.....-40°C to +85°C
 Wire Section(at nominal load):.....min.250mm²
 Key:.....not removeable,black
 Max. Torque (Main Contacts)15-20Nm

Date	Name	nm	Scale
Drawn 05.06.2003	Bicer		1:2
Check 03.09.2007	Grind		

THIS DRAWING IS A CONTROLLED DOCUMENT.
 DRAWING NO. 35-555
 DATE 05.06.2003
 BY Bicer
 CHECKED Grind
 MATERIAL 1/154
 WEIGHT 860g
 CUSTOMER DRAWING

REVISIONS			
REV.	DESCRIPTION	DATE	BY
1	TE CONNECTIVITY ORDER-NUMBER	10MAY2024	KS
2	DO NOT SWITCH UNDER LOAD!		

NOTES
 Bemerkungen
 TE-CONNECTIVITY ORDER-NUMBER
 TE-connectivity Bestellnummer
 2 DO NOT SWITCH UNDER LOAD!
 Nicht unter Last schalten

K1060684 A BATTERY DISCONNECTOR 2x500A 760 1
 BATTERIETRENSCHALTER 2x500A
 BATTERY DISCONNECTOR 2x500A
 BATTERIETRENSCHALTER 2x500A
 SIZE CASE CODE DRAWING NO. 3 00779 C-35-555
 SCALE 1:1 SHEET 1 of 1 REV 1

KISSLING-FORMAT-K1060869

EC No.	Battery Disconnecter 500A		Page 1 of 1
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Technical Data:

Case Material: Cover	Vyncolit black
Base Plate	PA GF black
Switch Lever Material	PA GF black
Min. Insulation Resistance	100MΩ
Dielectric Withstanding Voltage	1050V-1min.
Max. Contact Drop during Resistive Load	150mV
Voltage	up to 32VDC
Duty Rating	2x500A
Overload	2x2000A-1.5min.
.....	2x2500A-10sec.
Sealing	IP 67/ IEC 529
Vibration	10G/ 18-500Hz
Weight	1.010kg/2.230 Pound
Temperature Range	-40°C to +85°C
Wire Section (At Nominal Load)	min. 250mm ²
Switch lever	removeable, Spare P/N 35.500.045

Circuit

Date	Name	mm	Scale
Drawn: 11.08.2003	Mielk		1:2
Check: 25.08.2010	Mielk		

General Tolerances DIN ISO 2768 mK	Elaktrotechnik - GmbH & Co KG D - 72218 Wildberg	NSN:
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Drawing No: 35-557

TE-FORMAT-K1060869

4		3		2		1	
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TE Connectivity, All Rights Reserved

Battery Disconnecter 500A

Page 1 of 1

Torque: 16.5Nm
150 pound-inches

Technical Data:

Case Material: Cover	Vyncolit black
Base Plate	PA GF black
Switch Lever Material	PA GF black
Min. Insulation Resistance	100MΩ
Dielectric Withstanding Voltage	1050V-1min.
Max. Contact Drop during Resistive Load	150mV
Voltage	up to 32VDC
Duty Rating	2x500A
Overload	2x2000A-1.5min.
.....	2x2500A-10sec.
Sealing	IP 67/ IEC 529
Vibration	10G/ 18-500Hz
Weight	1.010kg/2.230 Pound
Temperature Range	-40°C to +85°C
Wire Section (At Nominal Load)	min. 250mm ²
Switch lever	removeable, Spare P/N 35.500.045

35-557

REVISIONS

REV.	DESCRIPTION	DATE	BY	APP.
1	EEN	19MAY2014	KS	RB

NOTES

2 DO NOT SWITCH UNDER LOAD!
Nicht unter Last schalten!

ISO 1:2

K1060869	1	A	BATTERY DISCONNECTOR 500A	1
TE ORDER-NO.	REV.	DESCRIPTION	TEP	NO

TE Connectivity

BATTERY DISCONNECTOR 500A
Batterie trennschalter 500A

SIZE	CASE CODE	DRAWING NO.	RESTRICTED TO
A	3	00779	35-557

CUSTOMER DRAWING

Date	Name	mm	Scale
Drawn: 11.08.2003	Mielk		1:2
Check: 25.08.2010	Mielk		

General Tolerances DIN ISO 2768 mK	Elaktrotechnik - GmbH & Co KG D - 72218 Wildberg	NSN:
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Drawing No: 35-557

EC No.
22779

Emergency Switch

Page 1 of 2

Mounting dimensions

Technical drawing of the Emergency Switch showing front, side, and top views with dimensions:

- Front View:**
 - Top diameter: $\varnothing 35$
 - Top section height: 5
 - Pressure point height: 25 ± 0.5
 - SW 36 switch lever
 - Pressure point diameter: $\varnothing 30.5 \pm 0.2$
 - Pressure point height: 29 ± 0.2
 - Bottom section height: 80 ± 0.5
 - Bottom section diameter: $\varnothing 7.3$
 - Bottom section height: 200 ± 0.8
 - Bottom section diameter: $\varnothing 30$
- Side View:**
 - Pressure point height: 25 ± 0.5
 - SW 36 switch lever
 - Pressure point diameter: $\varnothing 30.5 \pm 0.2$
 - Pressure point height: 29 ± 0.2
 - Bottom section height: 80 ± 0.5
 - Bottom section diameter: $\varnothing 7.3$
 - Bottom section height: 200 ± 0.8
 - Bottom section diameter: $\varnothing 30$
- Top View:**
 - Pressure point diameter: $\varnothing 30.5 \pm 0.2$
 - Pressure point height: 29 ± 0.2
 - Bottom section height: 80 ± 0.5
 - Bottom section diameter: $\varnothing 7.3$
 - Bottom section height: 200 ± 0.8
 - Bottom section diameter: $\varnothing 30$

Connector Deutsch
DT04-6P

Circuit Diagram:

Circuit diagram showing 4 and 6 pins connected to 2, 3, 1, and 5 INCI.

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in accordance with DIN EN ISO 9001

Date	Name	em	Scale
06.12.2018	Notre		1:1
12.08.2019	Notre		
13.08.2019	Notre		
13.08.2019	Notre		

General Tolerances
DIN EN ISO 2768-MS

Drawing No.

ES-2200-T311-020C

NSN:

Emergency Switch

Page 1 of 2

Mounting Dimensions

Ø 30.5^{+0.2}

29^{+0.2}

SW 36

Ø 35

2.145 (max protrusion)

2.5 x33 (pressure point)

5.485 (max-in point)

5

2

25 x33

30⁺¹

78⁺¹

plug and socket device
6-pol. in accordance to
DIN 72585 / ISO 15170

Ø 30

Circuit Diagram:

3 (IO) — 2 INC

7 INC

5 INC

4 (IO) — 6 INC

	Date	Name	Rev.	Scale	Drawing No.
Create	16/7/2016	Hoxay	1	1:1	ES-2200-T11
Edited	07/10/2016	Hoxay			
Check	10/10/16	Hoxay			

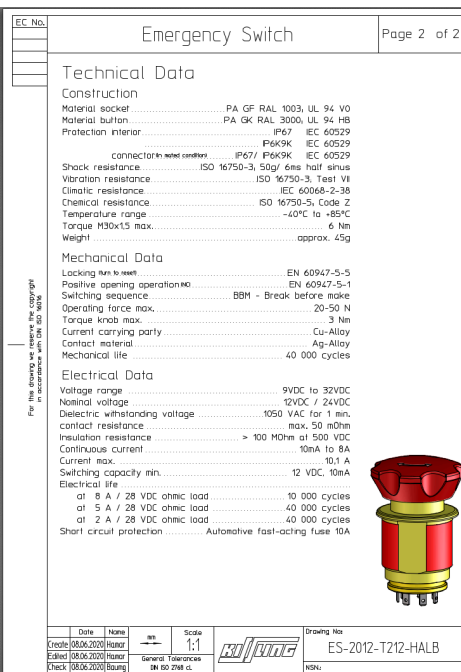
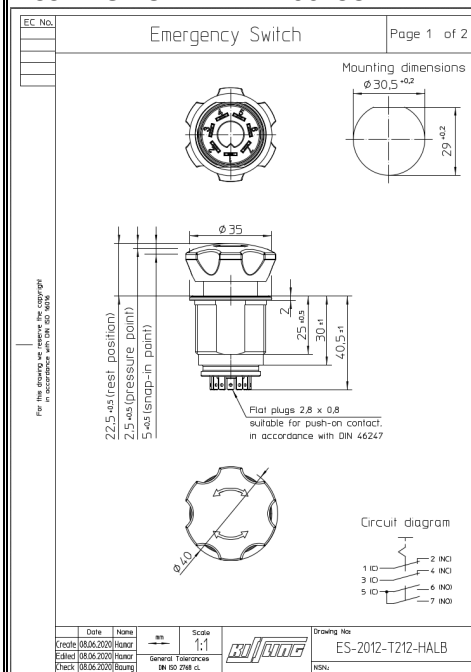
General Tolerances
in mm (inch)

ALPINE

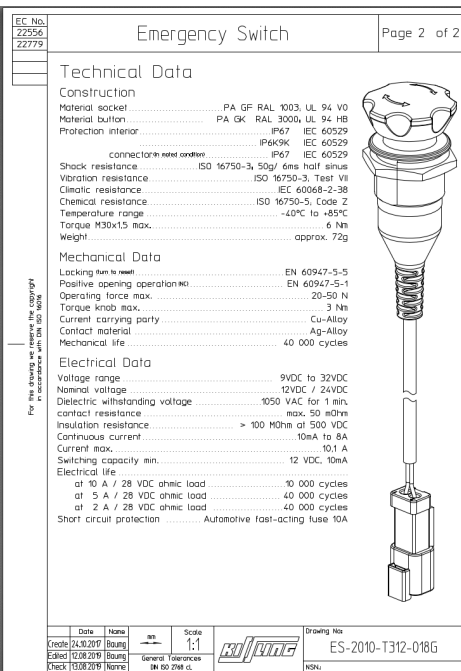
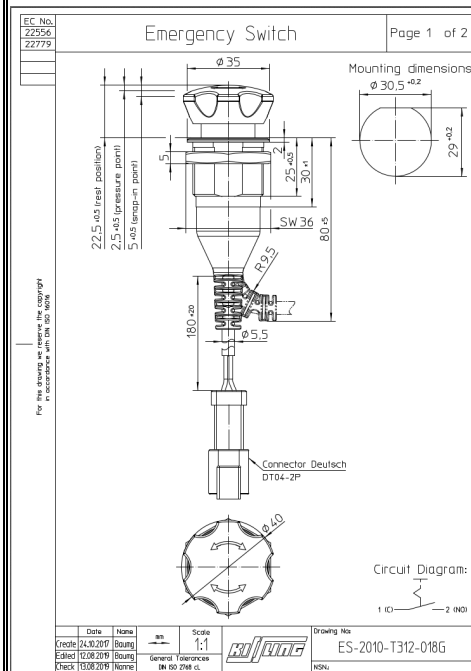
NOTES:

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KISSLING-FORMAT-K1166793



KISSLING-FORMAT-K1160310



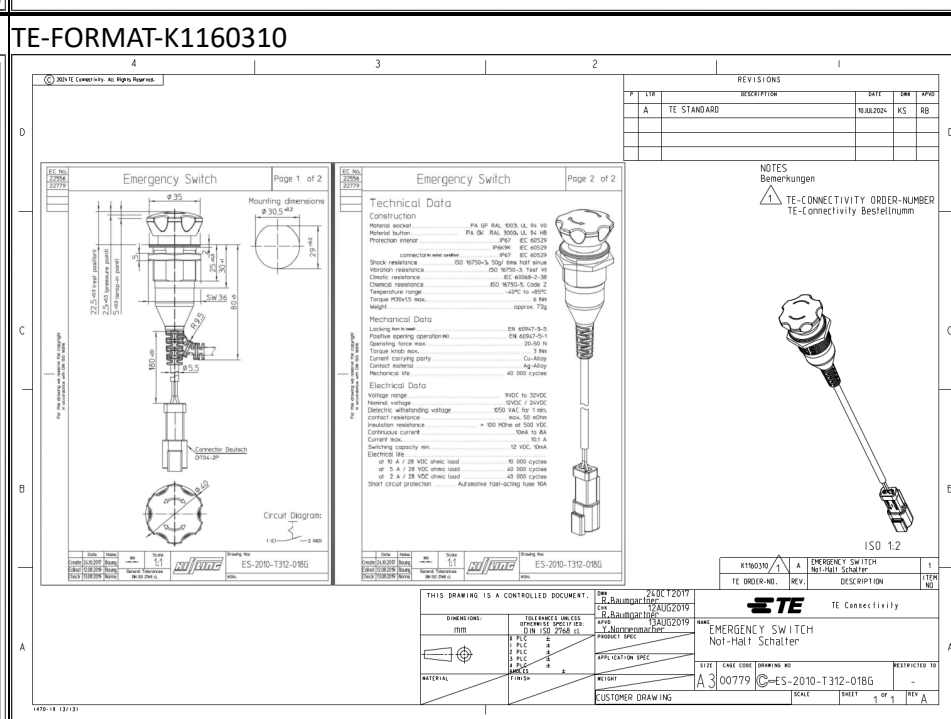
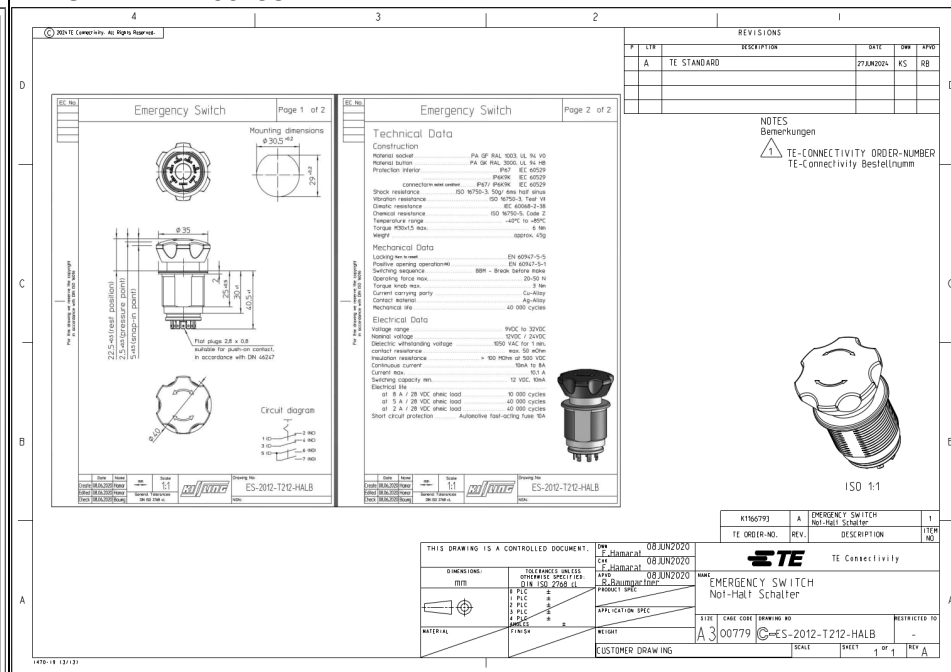
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TE-FORMAT-K1166793



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KISSLING-FORMAT-K1164697

EC No.	Emergency Switch	Page 1 of 2
<p>Mounting dimensions $\phi 30.5^{+0.2}$ $29^{+0.2}$</p> <p>22.5±0.1 (rest position) 2.5±0.1 (pressure point) 5±0.1 (snap-in point)</p> <p>Flat plug: 2.8 x 0.8 suitable for push-on contact, in accordance with DIN 46247</p> <p> $\phi 4.0$ $\phi 3.5$ $25^{+0.5}$ $30^{+0.4}$ $40.5^{+0.4}$ </p> <p>Circuit diagram</p> <pre> 1 (C) --- 2 (NC) 3 (C) --- 4 (NC) 5 (C) --- 6 (NC) 7 (C) --- 7 (NC) </pre>		
<p>For this drawing we reserve the copyright in accordance with DIN 46247</p> <p>Date: 17.07.2020 Name: HSK Scale: 1:1 Create: 17.07.2020 Name: HSK Edited: 28.07.2020 Name: HSK Check: 28.07.2020 Name: HSK</p> <p>General Tolerances: DIN ISO 2768-LS</p> <p>Drawing No: ES-2003-T212-HALB</p>		

EC No.	Emergency Switch	Page 2 of 2
<p>Technical Data</p> <p>Construction</p> <p>Material socket: PA GF RAL 1003, UL 94 V0 Material button: PA GF RAL 3000, UL 94 HB Protection interior: IP67 IEC 60529 connector/in metal condition: IP67 IP6K9K IEC 60529</p> <p>Shock resistance: ISO 16750-3, 50g, 6ms half sinus Vibration resistance: ISO 16750-3, Test VI Climatic resistance: IEC 60068-2-38 Chemical resistance: ISO 16750-5, Code Z Temperature range: -40°C to +85°C Torque M30x15 max.: 6 Nm Weight: approx. 45g</p> <p>Mechanical Data</p> <p>Locking time to reset: EN 60947-5-5 Positive opening operation: EN 60947-5-1 Switching sequence: BBM - Break before make Operating force max.: 20-50 N Torque knob max.: 3 Nm Current carrying party: Cu-Alloy Contact material: Ag-Alloy Mechanical life: 40 000 cycles</p> <p>Electrical Data</p> <p>Voltage range: 9VDC to 32VDC Nominal voltage: 12VDC / 24VDC Dielectric withstanding voltage: 1050 VAC for 1 min. contact resistance: max. 50 mΩ Insulation resistance: > 100 MΩ at 500 VDC Continuous current: 10mA to 8A Current max.: 10.1 A Switching capacity min.: 12 VDC, 10mA Electrical life: at 8 A / 28 VDC ohmic load: 10 000 cycles at 5 A / 28 VDC ohmic load: 40 000 cycles at 2 A / 28 VDC ohmic load: 40 000 cycles Short circuit protection: Automotive fast-acting fuse 10A</p> <p> </p> <p>For this drawing we reserve the copyright in accordance with DIN 46247</p> <p>Date: 17.07.2020 Name: HSK Scale: 1:1 Create: 17.07.2020 Name: HSK Edited: 28.07.2020 Name: HSK Check: 28.07.2020 Name: HSK</p> <p>General Tolerances: DIN ISO 2768-LS</p> <p>Drawing No: ES-2003-T212-HALB</p>		

TE-FORMAT-K1164697

EC No.	Emergency Switch	Page 1 of 2
<p>Mounting dimensions $\phi 30.5^{+0.2}$ $29^{+0.2}$</p> <p>22.5±0.1 (rest position) 2.5±0.1 (pressure point) 5±0.1 (snap-in point)</p> <p>Flat plug: 2.8 x 0.8 suitable for push-on contact, in accordance with DIN 46247</p> <p> $\phi 4.0$ $\phi 3.5$ $25^{+0.5}$ $30^{+0.4}$ $40.5^{+0.4}$ </p> <p>Circuit diagram</p> <pre> 1 (C) --- 2 (NC) 3 (C) --- 4 (NC) 5 (C) --- 6 (NC) 7 (C) --- 7 (NC) </pre>		
<p>For this drawing we reserve the copyright in accordance with DIN 46247</p> <p>Date: 17.07.2020 Name: HSK Scale: 1:1 Create: 17.07.2020 Name: HSK Edited: 28.07.2020 Name: HSK Check: 28.07.2020 Name: HSK</p> <p>General Tolerances: DIN ISO 2768-LS</p> <p>Drawing No: ES-2003-T212-HALB</p>		

EC No.	Emergency Switch	Page 2 of 2
<p>Technical Data</p> <p>Construction</p> <p>Material socket: PA GF RAL 1003, UL 94 V0 Material button: PA GF RAL 3000, UL 94 HB Protection interior: IP67 IEC 60529 connector/in metal condition: IP67 IP6K9K IEC 60529</p> <p>Shock resistance: ISO 16750-3, 50g, 6ms half sinus Vibration resistance: ISO 16750-3, Test VI Climatic resistance: IEC 60068-2-38 Chemical resistance: ISO 16750-5, Code Z Temperature range: -40°C to +85°C Torque M30x15 max.: 6 Nm Weight: approx. 45g</p> <p>Mechanical Data</p> <p>Locking time to reset: EN 60947-5-5 Positive opening operation: EN 60947-5-1 Switching sequence: BBM - Break before make Operating force max.: 20-50 N Torque knob max.: 3 Nm Current carrying party: Cu-Alloy Contact material: Ag-Alloy Mechanical life: 40 000 cycles</p> <p>Electrical Data</p> <p>Voltage range: 9VDC to 32VDC Nominal voltage: 12VDC / 24VDC Dielectric withstanding voltage: 1050 VAC for 1 min. contact resistance: max. 50 mΩ Insulation resistance: > 100 MΩ at 500 VDC Continuous current: 10mA to 8A Current max.: 10.1 A Switching capacity min.: 12 VDC, 10mA Electrical life: at 8 A / 28 VDC ohmic load: 10 000 cycles at 5 A / 28 VDC ohmic load: 40 000 cycles at 2 A / 28 VDC ohmic load: 40 000 cycles Short circuit protection: Automotive fast-acting fuse 10A</p> <p> </p> <p>For this drawing we reserve the copyright in accordance with DIN 46247</p> <p>Date: 17.07.2020 Name: HSK Scale: 1:1 Create: 17.07.2020 Name: HSK Edited: 28.07.2020 Name: HSK Check: 28.07.2020 Name: HSK</p> <p>General Tolerances: DIN ISO 2768-LS</p> <p>Drawing No: ES-2003-T212-HALB</p>		

REVISIONS		DATE	BY	APPD
1	ECN	13.09.2024	KS	RB

NOTES:
 Bemerkungen:
 TE-CONNECTIVITY ORDER-NUMBER
 TE-Connectivity Bestellnummer

ISD 1:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DATE: 27 JUL 2020
 BY: J. Hammarat
 CHECKED: J. Hammarat
 DATE: 28 JUL 2020
 BY: J. Hammarat
 CHECKED: J. Hammarat

REVISIONS:

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Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
K1155497	NO			"ES-2200-T111"			
K1163870	NO		2585-ES-2200-T311-020C-ND	"ES-2200-T311-020C"			

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
K1155497	NO			"ES-2200-T111"			
K1163870	NO			"ES-2200-T311-020C"			

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
K1155497	NO			"ES-2200-T111"			
K1163870	NO		2585-ES-2200-T311-020C-ND	"ES-2200-T311-020C"			