 ABB AG	<b>DCS880</b> <b>DCS880 H7 fusing adaption due to UL certification</b>	<b>Hardware Hint</b> <b>HW DCS880</b> <b>3ADW000635R0101</b>
	Date: 18.02.2022	Name: Thomas Vinz

<b>Types concerned</b>	
	DCS880 unit sizes H7.

<b>Summary</b>	
	DCS880 unit sizes H7 have been equipped with adapted fusing due to UL certification. The type code of the concerned units has also been adapted. This document describes the adaptations.

<b>Type code</b>			
	The drive's basic type code: <b>DCS880-aab-cccc-ddef</b>		
	Product family:	DCS880	
	Product type:	aa	= S0 Standard converter module
			= R0 Rebuild kit
			= E0 Panel solution
			= A0 Enclosed converter
	Bridge type:	b	= 1 Single bridge (2-Q)
			= 2 2 anti-parallel bridges (4-Q)
	Module type:	cccc	= Rated DC current (IP00)
	Rated AC voltage:	dd	= 04 100 V <sub>AC</sub> ... 415 V <sub>AC</sub>
			= 05 100 V <sub>AC</sub> ... 500 V <sub>AC</sub> (IEC)/525 V <sub>AC</sub> (UL)
			= 06 270 V <sub>AC</sub> ... 600 V <sub>AC</sub>
			= 07 315 V <sub>AC</sub> ... 690 V <sub>AC</sub>
			= 08 360 V <sub>AC</sub> ... 800 V <sub>AC</sub>
			= 10 450 V <sub>AC</sub> ... 990 V <sub>AC</sub>
	Power connection:		= 12 540 V <sub>AC</sub> ... 1190 V <sub>AC</sub>
		e	= X Standard H1 ... H7
			= L Left side H8
	Revision code:		= R Right side H8
		f	= 0 1 <sup>st</sup> generation
			= A <b>H7: fusing adaption due to UL certification</b>

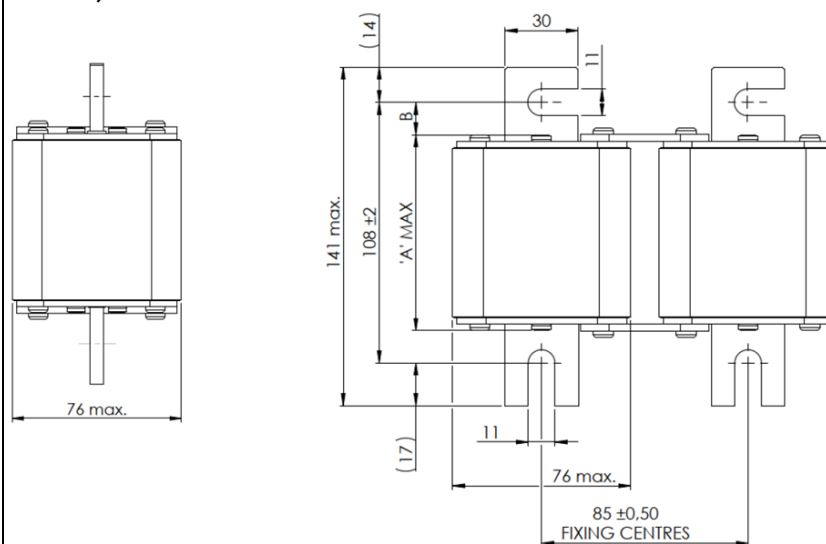
## Fusing adaption

Adapted branch fuses installed inside converter sizes H7:

Size	Converter type	Fuse type	Fuse size	Fuse order number
<b>400 V / 500 V (IEC) / 525 V (UL)</b>				
H7	DCS880-S0b-2500-04/05XA	UR 2240 A / 690 V ①	10	3ADC770052P0003
H7	DCS880-S0b-3000-04/05XA	UR 2240 A / 690 V ①	10	3ADC770052P0003
<b>600 V / 690 V</b>				
H7	DCS880-S0b-2050-06/07XA	UR 1250 A / 1250 V ①	11	3ADC770052P0001
H7	DCS880-S0b-2500-06/07XA	UR 2240 A / 1250 V ①	11	3ADC770052P0002
H7	DCS880-S0b-3000-06/07XA	UR 2240 A / 1250 V ①	11	3ADC770052P0002
<b>800 V</b>				
H7	DCS880-S0b-1900-08XA	UR 1250 A / 1250 V ①	11	3ADC770052P0001
H7	DCS880-S0b-2500-08XA	UR 2240 A / 1250 V ①	11	3ADC770052P0002
H7	DCS880-S0b-3000-08XA	UR 2240 A / 1250 V ①	11	3ADC770052P0002

① Double fuse. 2 fuses mechanically connected.

### Size 10, 11



Size	A MAX [mm]	B [mm]	
10	52	29 ±2	53
11	82.5	14 ±2	51, 52

