

SELECTION

SELF-TESTING EMERGENCY LIGHTING UNITS FOR LED LUMINAIRE CONVERSION



device type specification	EMCU Emergency Lighting Units for the Conversion of Existing LED Luminaires battery outside the housing				EM BOX Emergency Lighting Units for the Conversion of Existing LED Luminaires battery inside the housing		
	product names	EMCU FS 50V EMCU KS 55V EMCU TS 55V EMCU WS 55V	EMCU FS 130V EMCU KS 105V EMCU TS 105V EMCU WS 105V	EMCU FS 220V EMCU KS 220V EMCU TS 220V EMCU WS 220V	EMCU HS 300V (for LED tubes)	EM BOX MS 55V	EM BOX MS 105V
LED module voltage	min. 10 V max. 55 V ¹⁾	min. 20 V max. 105 V ²⁾	min. 100 V max. 220 V	min. 100 V max. 300 V	min. 12 V max. 55 V	min. 20 V max. 105 V	min. 100 V max. 220 V
maximum output voltage (with faulty or disconnected LED array)	60 V	120 V ³⁾	300 V	370 V	60 V	120 V	300 V
SELV	touchable LEDs	isolated LEDs	non-SELV	non-SELV	touchable LEDs	isolated LEDs	non-SELV
plastics housing for class I or class II luminaires	T housing	T housing	T housing	-	M housing	M housing	M housing
metal housing types for class I luminaires	F housing K housing W housing	F housing K housing W housing	F housing K housing W housing	H housing (for LED tubes)	-	-	-
DALI, EM-BUS communication	<input checked="" type="checkbox"/> ⁴⁾	<input checked="" type="checkbox"/> ⁴⁾	<input checked="" type="checkbox"/> ⁴⁾	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
wireless communication	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
batteries	NiCd (SC, D cells) NiMH (LA, AA cells) LFP (18650 cells) ⁵⁾						
battery regeneration	<input checked="" type="checkbox"/> ⁶⁾	<input checked="" type="checkbox"/> ⁶⁾	<input checked="" type="checkbox"/> ⁶⁾	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
notes	¹⁾ EMCU FS = 50 V ²⁾ EMCU FS = 130 V ³⁾ EMCU FS = 150 V ⁴⁾ not for EMCU K ⁵⁾ EMCU T, K, W and EM BOX M types only ⁶⁾ not for EMCU F						

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housing type specification	K	T	M	F	H	W
housing material	metal	polycarbonate	polycarbonate	metal	metal	metal
dimensions (mm)	150x30.2x22.1	177.2x30x21.5	292x81x38	210x31.5x21.5	180x40x28	234x45x11.5
hole spacing (mm)	142	169.2	nicht vorhanden	205.5	175.5	226
strain relief	not included	not included	included	not included	not included	not included
battery connection	via PCB connector	via PCB connector	battery mounted in housing	via PCB connector	via cable	via PCB connector