

CIRCUIT BREAKER DATA

Luminaire Family:	EDUCO VITALITY
Sub-families:	-
Applicable Model Range:	EL-EDUV-1000-000 EL-EDUV-1001-000

Inrush Current and Maximum Loading of Automatic Circuit Breakers (MCB):										
Circuit Breaker Type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Current	
Wire cross section	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	I _{max}	Time (*)
Max # of Fittings per MCB	35	50	60	76	23	30	36	46	21A	126μs

(*): Defined as the duration between 10% of peak (ascending) and 50% of peak (descending).

Luminaire Family:	EDUCO VITALITY
Sub-families:	-
Applicable Model Range:	EL-EDUV-1002-000, EL-EDUV-1002-800 EL-EDUV-1003-000, EL-EDUV-1003-800 EL-EDUV-1004-000, EL-EDUV-1004-800 EL-EDUV-1005-000, EL-EDUV-1005-800 EL-EDUV-1006-000, EL-EDUV-1006-800 EL-EDUV-1007-000, EL-EDUV-1007-800 EL-EDUV-1008-000, EL-EDUV-1008-800

Inrush Current and Maximum Loading of Automatic Circuit Breakers (MCB):										
Circuit Breaker Type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Current	
Wire cross section	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	I _{max}	Time (*)
Max # of Fittings per MCB	16	21	26	35	10	13	16	21	32A	240μs

(*): Defined as the duration between 10% of peak (ascending) and 50% of peak (descending).

Luminaire Family:	EDUCO VITALITY
Sub-families:	-
Applicable Model Range:	EL-EDUV-1000-244, EL-EDUV-1000-954 EL-EDUV-1001-244, EL-EDUV-1001-954

Inrush Current and Maximum Loading of Automatic Circuit Breakers (MCB):										
Circuit Breaker Type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Current	
Wire cross section	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	I _{max}	Time (*)
Max # of Fittings per MCB	30	38	46	58	18	23	28	35	13.6A	304µs

(*): Defined as the duration between 10% of peak (ascending) and 50% of peak (descending).

Luminaire Family:	EDUCO VITALITY
Sub-families:	-
Applicable Model Range:	EL-EDUV-1002-244, EL-EDUV-1002-954 EL-EDUV-1003-244, EL-EDUV-1003-954 EL-EDUV-1004-244, EL-EDUV-1004-954 EL-EDUV-1005-244, EL-EDUV-1005-954 EL-EDUV-1006-244, EL-EDUV-1006-954 EL-EDUV-1007-244, EL-EDUV-1007-954 EL-EDUV-1008-244, EL-EDUV-1008-954

Inrush Current and Maximum Loading of Automatic Circuit Breakers (MCB):										
Circuit Breaker Type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Current	
Wire cross section	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	1.5mm ²	1.5mm ²	2.5mm ²	2.5mm ²	I _{max}	Time (*)
Max # of Fittings per MCB	21	28	36	45	13	17	22	27	22.4A	176µs

(*): Defined as the duration between 10% of peak (ascending) and 50% of peak (descending).

IMPORTANT:

- The above are maximum quantities calculated based on the inrush current and provided as a guide only.
- DO NOT exceed the maximum rated continuous current of the circuit breaker.
- Calculation uses typical values from ABB series S200 as a reference.
- Information about the tripping characteristics of a specific circuit breaker must be requested from the circuit breaker manufacturer!
- Actual values may differ depending on the specific circuit breaker type(s) used and the installation environment such as the cable size, length, safety buffer, etc.