EM powerLED BASIC FX lp 75 W

Emergency lighting units to be Tridonic or equal with the following features:

1. Fixed output LED driver for mains operation
2. Emergency lighting LED driver with manual test function
3. For self-contained emergency lighting
4. For LED modules with a forward voltage of 50 – 220 V
5. For luminaire installation
6. Low profile cross-section (21 x 30 mm)
7. EM = Emergency
8. 5 years guarantee (conditions at https://www.tridonic.com/en/int/services/manufacturer-guarantee-conditions)
9. 6 – 75 W output power
10. Constant current LED operation
11. Adjustable output current between 100 and 400 mA via ready2mains Programmer or I-SELECT 2 plugs
12. Integrated emergency lighting unit
13. 1 or 3 h rated duration
14. Automatic shutdown of output if LED load is out of range
15. Green charge status display LED
16. Electronic charge system
17. Polarity reversal protection for battery
18. Deep discharge protection
19. Short-circuit-proof battery connection
20. High-temperature cells
21. NiCd or NiMH batteries
22. D, Cs or LAL cells
23. 4 year design life
24. 2 years guarantee (conditions at https://www.tridonic.com/en/int/services/manufacturer-guarantee-conditions)
25. For battery compatibility refer to data sheet, battery selection
26. Rated supply voltage AC: 220 – 240 V
27. AC voltage range: 198 – 264 V
28. Mains frequency: 50 / 60 Hz
29. Typ. rated current (at 230 V, 50 Hz, full load): 380 mA
30. Leakage current (at 230 V, 50 Hz, full load): < 250 µA
31. Max. input power: 85 W
32. Typ. λ (at 230 V, 50 Hz, normal operation): 0.98
33. Overvoltage protection: 320 V (for 48 h)
34. Battery charging time: < 24 h
35. U-OUT (including open- / short-circuit and double load): 280 V
36. Typ. input current in no-load operation 1 hr (charging): 16 mA
37. Typ. input current in no-load operation 3 hr (charging): 18 mA
38. Typ. input power in no-load operation 1 hr (charging): 2 W
39. Typ. input power in no-load operation 3 hr (charging): 2.4 W
40. In-rush current (peak / duration): 26 A / 280 µs
41. THD (at 230 V, 50 Hz, full load): < 10 %
42. Starting time: < 0.5 s from detection of emergency event
43. Starting time (mains off): < 1.3 s
44. Starting time (stand-by): < 250 ms
45. Turn off time (at 230 V, 50 Hz, full load): < 50 ms
46. Output LF current ripple (< 120 Hz): < 5 %
47. Output current tolerance: 5 %
48. Ambient temperature ta: -5 … +50 °C
49. Max. casing temperature tc: 75 °C
50. Mains surge capability (between L - N): 1 kV
51. Mains surge capability (between L/N - PE): 2 kV
52. Surge voltage at output side (against PE): 2 kV

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53. Dimensions L x W x H: 360 x 30 x 21 mm
54. Mains voltage changeover threshold: According to EN 60598-2-22
55. Type of protection: IP20
56. Lifetime: up to 50000 h
57. Guarantee (conditions at www.tridonic.com): 5 Year(s)
58. Approval marks: Emergency Lighting suitable, 120, EAC, RCM, CE, UKCA, ENEC, RoHs
59. Standards: EN 61347-1, EN 61347-2-13, EN 61347-2-7, EN 62384, EN 55015, EN 61547, EN 61000-3-2, EN 60068-2-29, EN 60068-2-30, EN 60068-2-64, according to EN 50172, according to EN 60598-2-22