

BERNARD Mobility Controller



Data sheet

Technical Data	
Function	Interface between BMA and control unit of the traffic light system incl. power supply for connected BMA
Number of BMA	1 - 4 BMA
Outputs	12 dry-contacts with screw connection I _{max} = 700 mA, U _{max} = 60 VDC
Diagnostic outputs	Freely configurable, up to 4 dry-contacts with screw connection I _{max} = 700 mA, U _{max} = 60 VDC
Assembly	DIN rail
Connection cable to BMA	2 wires, cable cross-section ≥ 0.75 mm ² (AWG18), connection length up to 120 m at 30 V input voltage
Electrical input	
Input voltage	24 - 30 VDC
Power consumption	≤ 2 W plus ≤ 25 W per connected BMA
Environmental conditions	
Temperature range	-20 °C bis +60 °C
Air humidity	≤ 95 % (at 25 °C)
Safety standards	
CE tested according to	EMC 2014/30/EU Road traffic signalling equipment electromagnetic compatibility EN 50293
Radiated and conducted interference emission	Compliant with EN55032 (CISPR32) class B
Dimensions	
Height x width x depth	60 x 107(214) x 90 mm
Weight	< 1 kg
Version	2.2 (Rev. 06/2024)
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