

- Compact design
- 16A/230V switching capacity
- Cross section 4/6mm²
- 4mm sensor diameter
- Resistant against chemical influences
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Description



The Ex-Controller-/Limiter devices of the IRB2M-Series are a combination of mechanical 2-point capillary temperature controller/limiter. The black glassfibre-reinforced polyester enclosure is very rugged and is used as a connector for single core heating cables. The combination of controller and limiter allows an easy and space-saving application for electrical trace heating in hazardous areas. The sensors with 4mm outer-diameter are particularly suitable for mounting on pipelines or containers.



Technical Data

Min. ambient temperature: -40°C
(-55°C on request)
Switching capacity: 16A/230V
(16A/400V and 25A/230V on request)
Temperature class: T6 at +50°C

Marking

 II 2G Ex ed IIC T6
 II 2D Ex tb IIIC T=80°C IP65

Approval

EPS 09 ATEX 1237

Further Information

Please consult the installation instructions!

Ordering Information

Part number:

IRB2M-2050/0200Ex: Controller: -20..50°C
Limiter: 0..200°C

IRB2M0120/130190Ex: Controller: 0..120°C
Limiter: 130..190°C

IRB2M0200/130190Ex: Controller: 0..200°C
Limiter: 130..190°C

IRB2M0120/0200Ex: Controller: 0..120°C
Limiter: 0..200°C

IRB2M0200/0200Ex: Controller: 0..200°C
Limiter: 0..200°C

IRB2M50300/50300Ex: Controller: 50..300°C
Limiter: 50..300°C

Other temperature ranges on request.

Standard Versions

Technical Data

IRB2M...EX	-2050/0200	0120/130190	0200/130190	0120/0200	0200/0200	50300/50300
Rating Voltage (VAC)	230	230	230	230	230	230
Switching cap. (cos φ = 1) (A)	16	16	16	16	16	16
Switching Difference (%) of full scale value	7/-	7/-	7/-	7/-	7/-	7/-
Max. Sensor Temperature (°C)	57/225	138/215	225/215	138/225	225/225	325/325
Protection Class	IP65	IP65	IP65	IP65	IP65	IP65
Capillary Tube Length (mm)	1000/1000	1000/1000	1000/1000	1000/1000	1000/1000	1000/1000
Capillary Diameter (mm)	4/4	4/4	4/4	4/4	4/4	4/4
Dimensions l*w*h (mm)	220x120x90	220x120x90	220x120x90	220x120x90	220x120x90	220x120x90
Cable Glands M20/M25	2/1	2/1	2/1	2/1	2/1	2/1
Clamping Zone M20/M25 (mm)	6-13/7-17	6-13/7-17	6-13/7-17	6-13/7-17	6-13/7-17	6-13/7-17
Cross Section (mm ²)	4/6	4/6	4/6	4/6	4/6	4/6
Weight (kg)	2	2	2	2	2	2

Wiring Diagram

