

IMB HIGH LOAD

TE Connectivity (TE) introduces IMB High Load. This is an IM product extension focused on switching higher power load up to 400Vdc within the same form, fit and function of the existing IM relay.

The product is tuned to switch power with larger power contacts at 85 degrees, strongly competing with MosFet switching capabilities at higher temperatures.

BENEFIT

- Small and cost effective applications
- Usability in closed / sealed / warm surroundings without needed additional cooling still garantying performance levels
- Safety

KEY FEATURES

- Small relay in SMD and THT solder mount
- Ability to switch higher power at high temperatures
- Provides true insulation

IMB HIGH LOAD

APPLICATIONS

- EV: infotainment
- Charging / control boxes
- Industrial: sealed, ruggedized applications
- Consumer specified up to 400Vdc opening the market for much more consumer applications connected internally to high voltages

ELECTRICAL

- Max. switching voltage 400VDC / 250VAC
- Initial dielectric strength:
 - Between open contacts 1000Vrms
 - Between contact and coil 1800Vrms

MECHANICAL

- Contact style: single contacts

MATERIALS

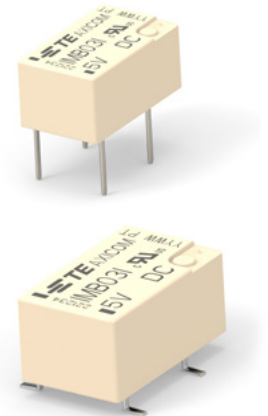
- Contact Material: AgNi

STANDARDS

- UL

SPECIFICATIONS

- UL contact rating:
 - 400VDC, 0,15A 60W
 - 125VAC, 0,8A 100VA
 - 250VAC, 0,6A, 150VA



PART NUMBER LIST

Part number	Part description
2-1462041-2	IMB02IGR = IM Relay 140 mW 4,5V
2-1462041-3	IMB02ITS = IM Relay 140 mW 4,5V
2-1462041-4	IMB03IGR = IM Relay 140 mW 5V
2-1462041-5	IMB03ITS = IM Relay 140 mW 5V
2-1462041-6	IMB06IGR = IM Relay 140 mW 12V
2-1462041-7	IMB06ITS = IM Relay 140 mW 12V

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