

ITEC.BAR GDE

Lighting busbar system

- Supply lighting network for workshop, laboratory, industry, service industry.
- Low power distribution for workshops.
- Every applications related to low power distribution



Main features

- Busbars are delivered ready to be connected with technical data sheet and notice for erection.
- Very high thermal features.
- Conductors in copper (2, 4, 6 ou 8 conductors)
- Enclosure in aluminium
- Intensity range : 25 and 40 A
- Degree of protection from IP 42 to IP 55
- Straight standard element : 3 meters
- In accordance with the following standards : IEC 60439-1, IEC 60429-2, IEC 60529

Nominal current	25 A	40 A
Operating voltage	230/400 V	230/400V
Frequency	50 Hz	50 Hz
Insulation voltage	500 V	500 V
Phase cross section	2,5 mm ²	4 mm ²
Neutral cross section	2,5 mm ²	4 mm ²
PE cross section (enclosure)	144 mm ²	246 mm ²
Phase resistance (20°C)	8,91 mΩ/m	5,57 mΩ/m
Phase reactance (20°C)	0,155 mΩ/m	0,143 mΩ/m
Joule losses at I _N	18,7 W	30,00 W
I _{CC} triphasé (0,1 s)	2,5 kA	3,2 kA
I _{CC} phase - neutre (0,1 s)	2,5 kA	3,2 kA
I _{CC} peak	3,75 kA	4,8 kA
Voltage drop at cos φ = 0,8	147,7 mV/m	175,7 mV/m
Degree of protection	42/55	42/55

Thermal correction coefficient K according to the ambient temperature on average in 24 h

t °C	18°C	25°C	30°C	35°C	41°C	45°C
K	1,16	1,12	1,08	1,04	1	0,84

