

Installation, distribution, BARTEC solution

BARTEC offers a wide range of excellent solutions with preassembled and custom-made Junction and Terminal boxes in hazardous and safe areas for all industry needs.



Safety is our number one concern when developing electrical solutions in energy distribution. We offer customer-specific solutions from configure-to-order and engineer-to-order. Junction and Terminal boxes are designed and approved for Zone 1 and 2 as well as Zone 21 and 22. They are particularly suitable for applications under extreme environmental conditions, and they provide reliable protection under heavy loads.

Explosion protection

Marking ATEX Type 07-3T**-****/****	<ul style="list-style-type: none"> ⊕ II 2G Ex eb ia ib IIA, IIB oder IIC T6, T5, T4 oder T3 Gb ⊕ II 2G Ex tb ia ib IIIA, IIIB oder IIIC, T80°C, T95°C oder T130°C Db
Ambient temperature	Dependent on installed components. Please pay attention to the information on the marking plate. -60 °C to max. +80 °C (-76 °F to max. +176 °F)
Certification	IBExU 12 ATEX 1099X IECEx IBE 12.0031X

Electrical data

Rated voltage	up to 1000 V
Rated current	max. 690 A
Rated cross section	max. 400 mm ²

Available in 20+ different sizes for flexible configurations



Polyester Junction & Terminal boxes

Type	07-3T03 (or 5,6,7)-****/****
Enclosure	ESP series, type 07-5184 (or 5)-****/****
Max. operating temperature of enclosure	-55 °C to +100 °C
Material	Glass-fibre reinforced polyester (black/grey)
Protection class	IP 66

Aluminum suitable for most demanding conditions



Aluminium Junction & Terminal boxes

Type	07-3T91-****/****
Enclosure	ESX****
Max. operating temperature of enclosure	-60 °C to +180 °C
Material	aluminium
Protection class	IP 66

Typical use for offshore applications



Stainless steel Junction & Terminal

Type	07-3T92 (or 93-95) -****/****
Enclosure	TNCN*****
Max. operating temperature of enclosure	-50 °C to +200 °C
Material	AISI 316L, V4A stainless steel
Protection class	IP 66, IP 67, IP 68

Best for customized solutions



Stainless steel Junction & Terminal boxes

Type	07-3T31(or 32- 37)-****/****
Enclosure	ESI series, type 07-56*1-****
Max. operating temperature of enclosure	-40 °C to +100 °C
Material	AISI 316L, V4A stainless steel
Protection class	IP 66

Optimal selection from standard available features



Stainless steel Junction & Terminal boxes

Type	07-3T98 (or 99) -****/****
Enclosure	ESX****
Max. operating temperature of enclosure	-60 °C to +180 °C
Material	AISI 316L, V4A stainless steel
Protection class	IP 66

For special applications in various hazardous environments



Polyester Junction & Terminal boxes

Type	07-3T90-****/****
Enclosure	GWR****
Max. operating temperature of enclosure	-50 °C to +100 °C
Material	Glass-fiber reinforced polyester, dark grey
Protection class	IP 66

