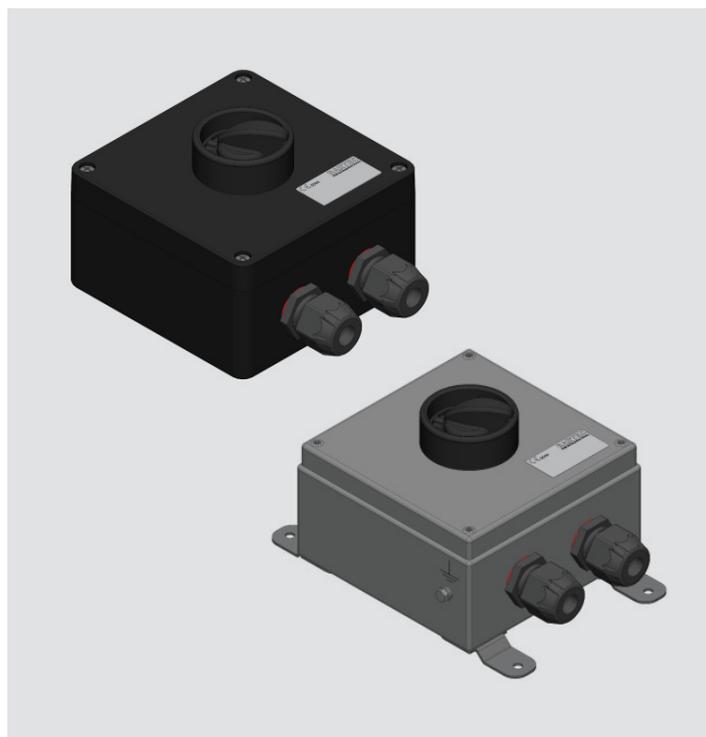


Switch-disconnector

Datasheet



- Enclosure made of glass-fibre reinforced polyester (GRP) or stainless steel
- Positive opening contacts
- Application area in zone 1 and 21
- Motor switching capacity AC-3/ AC-23 and isolating characteristics to IEC/ EN 60947-3
- IP66

This Switch-disconnector is designed for use for motor circuits and distribution systems. In hazardous areas, the switch can be used in zone 1/ 21. The NC contacts are positive opening. In addition to robust GRP material, enclosure variants made of high-quality stainless steel are also available. The actuator can be locked with up to 3 locks.

Explosion protection

Marking ATEX	Ex II 2G Ex db eb IIC T6 Gb
Certification	IBExU12ATEX1099X
Marking IECEx	Ex db eb IIC T6 Gb
Certification	IECEx IBE 12.0031X
Product printing	Standard: ATEX and IECEx marking. Other markings on request. Please specify in plain text. Other approvals and certificates see bartec.com

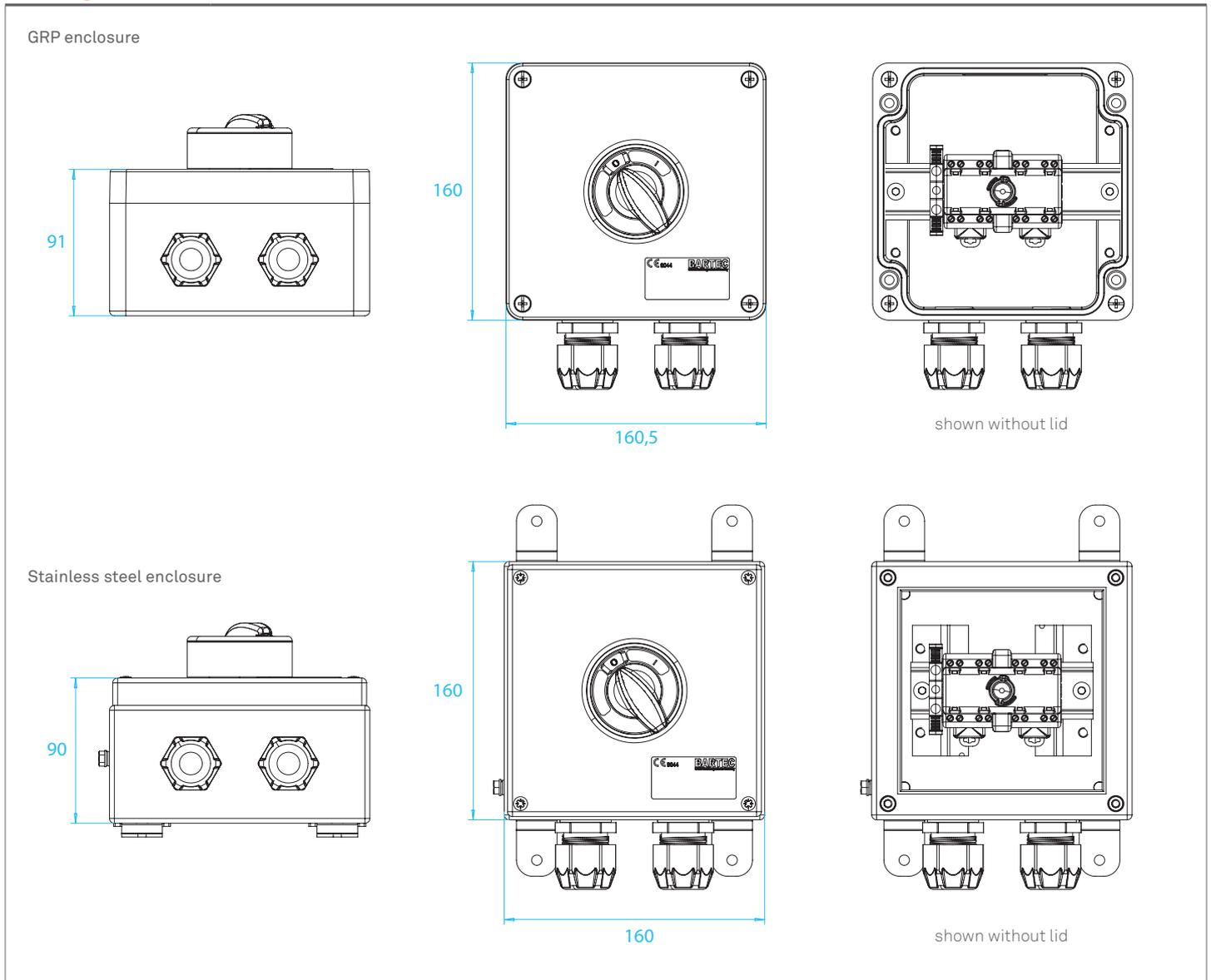
Technical data

Connection	terminals 4 mm ²		
Conductor terminals	4x 2,5 mm ²		
Rated insulation voltage	max. AC 690 V		
Rated current	max. 25 A		
Cable entry	M25x1,5 for cables with \varnothing 14-18		
Enclosure material	thermoplastic		
Protection class	IP 66		
Contact material	AgSnO ₂		
Switching function	4 switch contacts NC/ NO in different switch permutations		
Position selector	In 0-position 3-fold lockable by padlock (max. \varnothing 7 mm)		
Marking - 0/ I	Switch function 0 = latching / 1 = latching		
Contacts	contacts with positive break operation (self-cleaning)		
Switch-disconnector (main motor switch)	3-phase with 3x main contacts and 1x auxiliary contact AC-23: 25 A 690 V AC-3: 20 A 400 V AC-3: 16 A 690 V		
Control switch according to DIN EN 60947-5-1 (auxiliary circuit switch)	AC-15	400 V	10 A
	AC-12	400 V	16 A
	DC-13	60 V	2 A

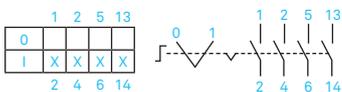
Electrical data

Rated insulation voltage	$U_i = 690$ V $U_e = 690$ V
Rated impulse strength	$U_{imp} = 6$ kV
Conditional rated short/circuit current at 400 V	$I_e = 4$ kA
Short circuit current (general-purpose l.v.h.b.c. back-up fuse for the protection of cables and circuits)	max. 25 A
Nominal thermal current	(+40 °C) $I_{the} = 25$ A (+60 °C) $I_{the} = 11$ A
Dimensions	See dimensions for complete device

Drawing



Contact arrangement of Switch-disconnector



Other labellings and switching arrangements on request.

As standard, there are 3 bore holes at the protective shroud for padlocks. Where no further information is given on the end position, bore holes are drilled in the position 0 (I) or as requested.

Ordering information

TYP-No.	Current	Utilisation categories	Enclosure	Ambiet temperature Ta	Connection
07-3103-16099002	10 A	AC-3 690 V, AC-23 690 V	GRP	-55°C > Ta > +60°C	2.5 mm ² and 4 mm ²
07-3103-16099003	20 A	AC-3 400 V, AC-23 690 V	GRP	-55°C > Ta > +50°C	4 mm ²
07-3103-16099004	25 A	AC-23 690 V	GRP	-55°C > Ta > +40°C	4 mm ²
07-3132-16099005	10 A	AC-3 690 V, AC-23 690 V	Stainless steel	-55°C > Ta > +60°C	2.5 mm ² and 4 mm ²
07-3132-16099006	20 A	AC-3 400 V, AC-23 690 V	Stainless steel	-55°C > Ta > +45°C	4 mm ²
07-3132-16099007	25 A	AC-23 690 V	Stainless steel	-55°C > Ta > +40°C	4 mm ²