

The MODEX series offers an isolator terminal which can be used for service and test tasks and for conventional manual switching functions. Thanks to the visibly clear distinction between switching positions and extremely small enclosure with 4 integrated terminals, the isolator terminal is very easy to install. The labelling options are the same as for rail-mounted terminals. The MODEX isolator terminal is installed directly in an Ex e enclosure and installed in the same way as a rail-mounted terminal. As a terminal with positive opening operation, it offers additional safety. All live parts are protected against accidental contact which allows you to open the Ex e enclosure and to operate the switch by hand when voltage is applied and within the explosive area. Connected actuators or sensors have 2-pole activation and can thus be replaced under potentially explosive conditions.

Explosion protection

Marking ATEX	II 2G Ex db e IIC Gb I M2 Ex db e I Mb
Certification	PTB 99 ATEX 1020 U
Marking IECEx	Ex db eb IIC or Ex d e IIC Gb Ex db eb I or Ex d e I Mb
Certification	IECEx PTB 11.0087U
Other approvals and certificates, see www.bartec.de	

Technical data

Enclosure material	High-quality thermoplastic and duroplastic	
Protection class	Switching insert	IP 54 EN/IEC 60529
	Terminals	IP 20 EN/IEC 60529
	Terminals with cover	IP 30 EN/IEC 60529
Terminals	2.5 mm ² , fine stranded	
Mounting rail	TH 35 x 7.5 (15) EN/IEC 60715	
Terminal designation	written marking labels	
Ambient temperature	-40 °C to +70 °C	
Storage temperature	-40 °C to +70 °C	
Weight	0.245 kg	

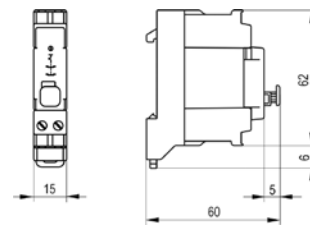
Electrical data

Switching elements	2-pole, positive opening contact	
Service life	electrical/mechanical 0.6 ≥ 10 ⁴ switching cycles	
Contact material	pure silver, gold-plated	
Contact version	positive opening contact	
Contact type	2-pole, NC contact	
Rated isolation voltage	400 V	
Short-circuit protection	fuse links, characteristic - quick-acting: 10 A	
Mechanical life	1 x 10 ⁶ switching cycles	
Electrical life	1 x 10 ⁴ switching cycles	
Conventional thermal current	7 A at T _a ≤ +40 °C	
Utilization categories	AC 15 for 400 V/2 A DC 13 for 250 V/0.15 A	

Rated operating current (Switching capacity according to EN 61058-1)

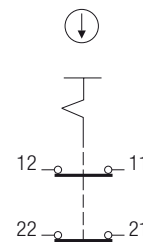
Alternating current 40 to 80 Hz		
Load U	Ohmic load I/AC-12 A	Inductive load I/AC-15 A
125 V	5 A	
250 V	4 A	4.0 A
400 V	2 A	2.0 A
Direct current		
30 V	7 A	approx. 5 A
250 V	0.6 A	0.15 A

Dimensions/mounting positions



Module width: 15 mm

Wiring diagram (I-position)/terminal assignment (I-position)



Notes

- Adhere to VBG 4 § 6 par. 2 when working on the unit
- Provide IP 30 covers on terminals 11 and 21 (enclosed)
- Work only permitted on terminals 12 and 22
- Protect against accidental restarting/seal the isolator terminal
- Ensure power supply has been disconnected (pay attention to consumers with an energy storage mechanism)
- Cover neighbouring live parts

Ordering information

IP 30 isolator terminal, 2-pole

07-7311-6131/EE00

Technical data subject to change without notice.