



Switch Amplifiers for SM-6, SM-6-V

We offer various switch amplifiers for connecting the limit switches to flow meters.

These may only be installed outside explosive areas and have a number of additional safety or monitoring functions.

Mounts to 35 mm standard rail per EN 60715

Inherently safe inputs

Model MACX also with approvals for ATEX, IECEx

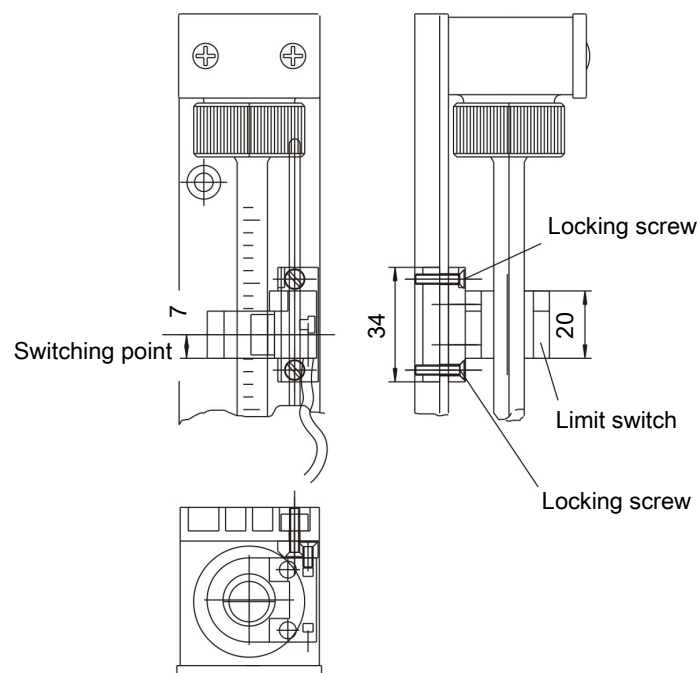


Description

Model MACX: Dual-channel switch amplifier for inherently safe control circuits with one signal output (change-over), one LED each for monitoring the voltage and alarm output function.

Model KCD: Single-channel amplifier inside a compact terminal box with LED switching status indicator.

Limit switch dimensions



Limit Switch Technical Data

Limit switch	Ø10*	Ø15
Ingress protection class:	IP 67	IP 67
Ambient temperature:	-20 °C to +80 °C	-20 °C to +70 °C
Housing material:	PBT	PBT
Operation:	bi-stable	bi-stable
Cord length:	2 m	2 m
Approval:	PTB 99 ATEX 2128X Ex II 2 G Ex ia II C T6...T1 Gb	PTB 99 ATEX 2128X Ex II 2 G Ex ia II C T6...T1 Gb

* Use in special range under some circumstances. For more information available upon request.

Switch Amplifier Technical Data

Switch amplifier	MACX MCR-EX-SL-2NAM-R-UP	KCD2-E2L
Supply voltage:	24 ... 230 V AC/DC 50/60 Hz	10–30 V DC
Inherently safe per:	IEC/EN 60079-11	no
Line monitor:	yes	yes
Approvals: (per operating manual)	ATEX:  II(1) G [Ex ia Ga] IIC  II 3(1) G Ex ec [ia Ga] nC IIC T4 Gc IECEX: [Ex ia Ga] IIC Ex ec [ia Ga] nC IIC T4 Gc	---
Output (not inherently safe):	Changeover contact	NO contact PNP transistor
Switching current output:	250 V AC (2 A, 60 Hz) 120 V DC (0.2 A) 30 V DC (2 A)	200 mA DC
Ambient temperature:	-40 °C ...+60 °C	-25 °C ...+70 °C
IP rating:	IP20	IP20
Dimensions:	17.5x112.5x114.5 mm (WxHxD)	20x63x44 mm (WxHxD)

Spare parts and accessories

Item no.	Description
9100070059	MACX switch amplifier
9100070007	Switch amplifier, KCD2-E2L, 24 V DC
4949021	Limit switch with mounting bracket Ø10
4949019	Limit switch with mounting bracket Ø15