

MERZ Cam Switches for the air conditioning/ventilation sector



switch to Quality!

PRODUCT DESCRIPTION

- MERZ cam switch as step switches for air conditioning and residential ventilation systems
- Available in 2 variants for: flush-mounted installation 9110 and surface-mounted 9111
- Standard and customer-specific switching programs
- MERZ cam switch series MN105
- Cover frame and plate PEHA Badora pure white (PW)
- Innovation in series and customer-specific individuality

TECHNICAL DATA MERZ Cam Switch MN105

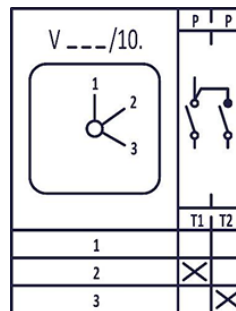
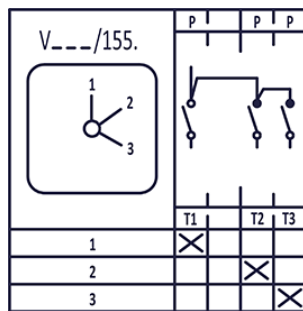
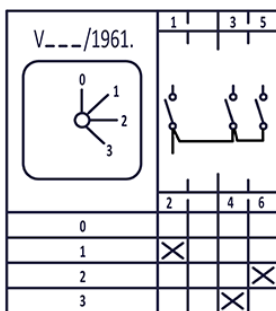
acc. IEC 60947-3, EN 60947-3	AC21A		MN 105
Rated operational current I_e		A	25
Rated operational voltage U_e		V	690
Rated uninterrupted current I_{th}	open	A	25
Rated uninterrupted current I_{the}	encapsulated	A	25
Rated insulation voltage U_i , Insulation group C acc. VDE 0110		V	690
Rated impulse withstand voltage U_{imp} (III/3)		kV	4

Making/breaking capacity Utilisation category	AC3		
	230 V 3~	kW	3
	400 V 3~	kW	5,5
	690 V 3~	kW	5,5
Single-phase motor	230 V 3~	kW	2,2
	400 V 3~	kW	3

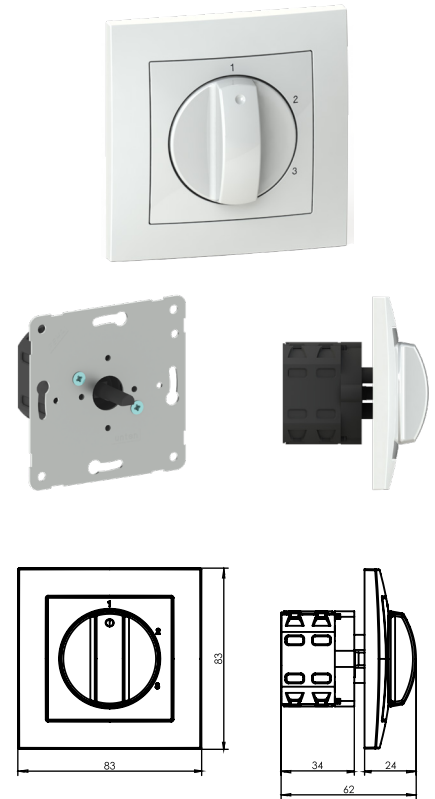
Making/breaking capacity Utilisation category	AC23A(B)		
Motor Switch	230 V 3~	kW	4
Main Switch	400 V 3~	kW	7,5
Maintenance Switch	690 V 3~	kW	7,5

Short-circuit capacity			
Max. fuse rating (gG-Char.)		A	25
Rated conditional short-circuit current		kA _{eff}	10
Rated short-time withstand current I_{cw} 1sec		A	240
Rated short circuit making capacity I_{cm}		A	-
Isolating characteristics up to		V~	690
Terminal cross section solid or multi-stranded	min./max.	mm ²	1,0-4
finely stranded with ferrule	min./max.	mm ²	1,0-2,5
Terminal screws			M3
Torque terminal screws		Nm	0,8
Mechanical life	operating cycles		1x10 ⁶
Ambient temperature max./min.	open	°C	+50/-25
	encapsulated	°C	+40/-25

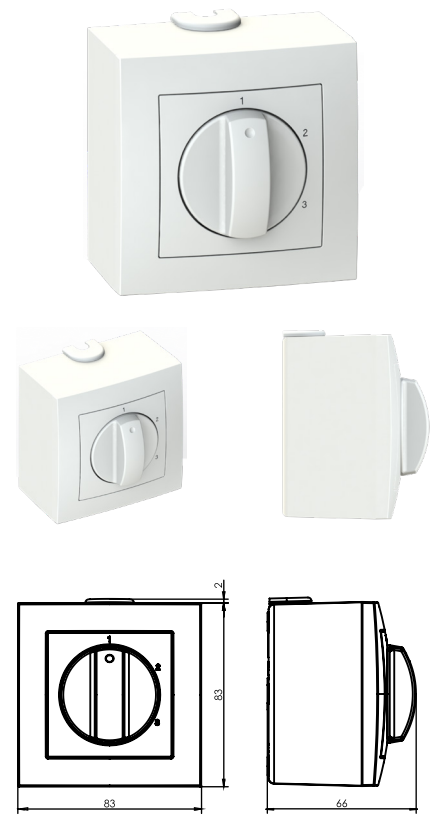
CONTACT DIAGRAMS MERZ Cam Switches (Examples)



DESIGN flush-mounted 9110



DESIGN surface-mount 9111



MERZ Schaltgeräte GMBH + CO KG

Kernerstraße 15 Telefon +49 (0) 7971 252-252
D-74405 Gaildorf Fax +49 (0) 7971 252-351



info@merz-schaltgeraete.de
www.merz-schaltgeraete.de



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