



D = roof    K = ball    R = reel

graphic symbols:

MFX	MN	
12	21	22
14	11	
	13	14

## Buildup:

Housing Material	Al-alloy, corrosion resistant
Plunger Material	Stainless Steel, hardened
Protection	IP 67 IEC 60529
Protective conductor connection	M3,5
Lubrication	maintenance free

## Mechanical Characteristics:

max.operating speed, to be Start-up-Angle the Trip dog in 26°34'

roof	20m/min
ball	20m/min
reel	30m/min
Ambient temperature	0°C to +80°C
Mounting Position	anything
Total travel the Plunger	to 3mm
Pre-travel	Switch component MFX to 0,5mm    Switch component MN8 to 1mm
Utilisable hunting deflection	Switch component MFX to 2mm, Switch component MN8 to 1,5mm
Differential	Switch component MFX 0,05 - 0,2mm, Switch component MN8 0,4-0,7mm
Operating force	to 10N
Operating Position S	Switch component MFX 13mm    Switch component MN8 12,5mm
Frequency	max. 200/min
Live cycle mechanical	30 Mio. Cycles
Reproducibility of the Switch Point	±0,02mm
Switch component:	more information see Data Sheet Switch component

## Deliverable Switch-Componente

Typ	Number	Connector	Contacts
MFX1 011 201 914	without	brazed	Silver
MFX1 011 206 940	53	screwed-M3	Silver
MFX1 011 201 934	51	brazed	Gold
MFX1 011 206 942	54	screwed-M3	Gold
MN81 021 201 912	60	brazed	Silver
MN81 021 206 912	63	screwed-M3	Silver
MN81 021 201 923	61	brazed	Gold
MN81 021 206 923	64	screwed-M3	Gold

## Ordering example

Limit-Switch-Typ: 54-810-101...-M  
 Plunger-Types e.G. Roof: D  
 Switch component z.B. MFX1 011 201 934 Kez.:51  
 Ordering name: 54-810-101 D 51-M

Date	Name	mm	Scale		Drawing No:
04.02.2008	Drech	←	1:1		54-810-101...-M
Check	01.12.2008	Walz	General Tolerances DIN ISO 2768 mK		NSN.: