

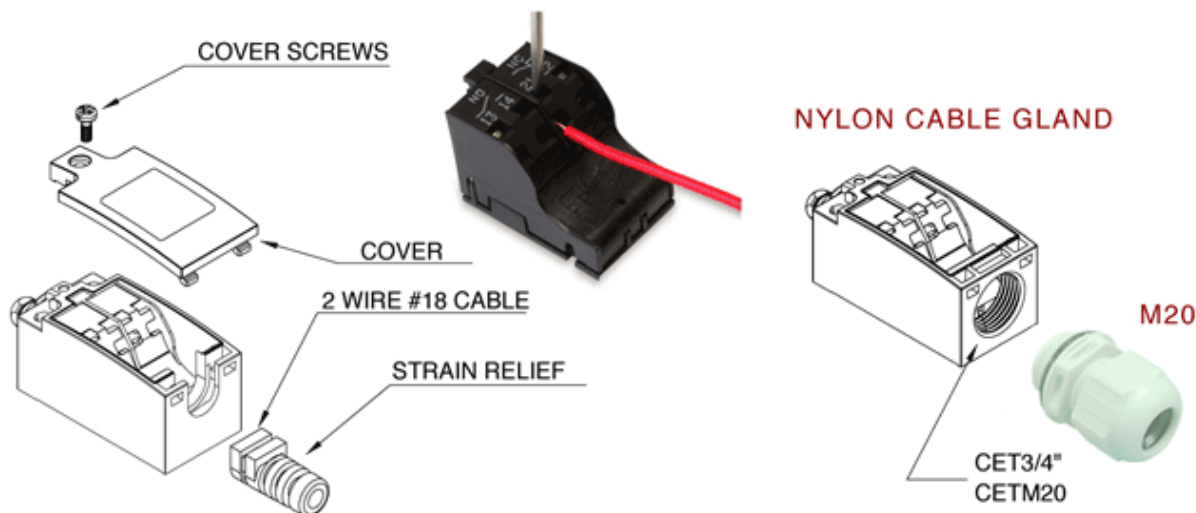
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SWITCHES Serials : [M22](#) | [M4](#) | [M6](#) | [M8](#) | [ME](#) | [MEA](#) | [MJ](#) | [MJ1](#) | [MJ2](#) | [MN](#) | [MV](#) | [MVS](#) | [MFS](#) | [MTB](#)

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M8 SERIES



Technical data:

General

Standards	IEC/EN 60947
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambinet temperature	-25°C / +70°C
Mounting position	As required
Degree of protection	IP66. IP65 for "T" Type with rubber strain



Contacts/switching capacity

Rated impulse withstand voltage	Uimp	VAC	4000
Rated insulation voltage	Ui	V	400
Overvolatge category/pollution degree		III/3	

Rated operational current

	24V	le	A	6
AC-15	230V/240V	le	A	6
	400V/415V	le	A	4
DC-13	24V	le	A	10
	110V	le	A	1
	220V	le	A	0.5

Contral circuit reliability

at 24V DC / 5mA H _F	Fault probability	<10 ⁻⁷ , <1 failure at 10 ⁷ operations
at 5V DC / 1mA H _F	Fault probability	<10 ⁻⁶ , <1 failure at 5x10 ⁶ operations

Suppy frequency Hz max. 400

Short-circuit rating in the closed state (IEC / EN 60947-5-1)

Fuseless	Type	PKZM0-10 FAZ-B6/1
Max. Fuseless	A gG / gL	10

Short-circuit rating to IEC / EN 60947-5-1

Max. Fuseless	A gG / gL	6
Repetition accuracy	mm	±0.02



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M8 SERIES

Technical data:

Mechanical variables

Lifespan

Standard-action contact	Operations	x10 ⁶	8
Snap-action contact	Operations	x10 ⁶	8
Contact temperature of roller head		°C	≤ 100
Mechanical shock resistance (half-sinusoidal shock,20ms)			
Standard-action contact		g	25
Snap-action contact		g	2
Basic unit		g	-
Operating frequency	Operations/h		≤ 6000

Actuation

Mechanical

Actuating force at beginning/end of stroke

Basic units 8601		N	1.0 / 8.0
Basic units 8611		N	1.0 / 8.0
Basic units 8602		N	1.0 / 8.0
Basic units 8603		N	1.0 / 8.0

Actuating torque of rotary drives

Nm 0.2

Max. operating speed with DIN cam

Basic units for angle of actuation 8601	a=0° / 30°	m/s	1 / 0.5
8604 for angle of actuation	a=0°	m/s	1.5
8608 for angle of actuation	a=30°, L=125mm	m/s	1.5
8607 for angle of actuation	L=130mm	m/s	1.5
8602 for angle of actuation	a=30° / 45°	m/s	1
8603 for angle of actuation	a=30° / 45°	m/s	1
8611 for angle of actuation	a=0° / 30°	m/s	1 / 1



M8 - 8601
Type number

A
Contact Category (A,B,C,D,E)

T
With rubber strain relief

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M8 SERIES

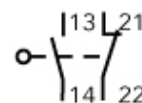
Type No. M8 Series
IP66 (With tail)

Contact
M=Make , B=Break
⊕ =Positive opening safety
function to IEC/EN 60947-5-1

Circuit-Symbol
Contact Sequence
■ =Contact closed
□ =Contact open
ZW=Positive opening
Sequence

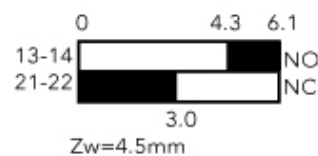
8601A

1M



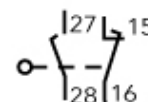
8601AT

1B⊕



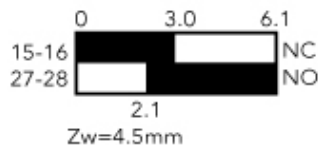
8601B

1M



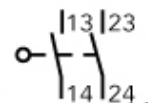
8601BT

1B⊕



8601C

2M



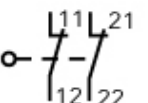
8601CT

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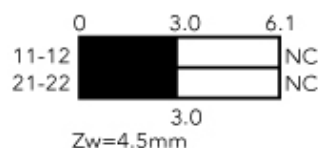
8601D

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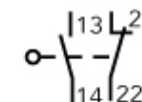
8601DT

2B⊕



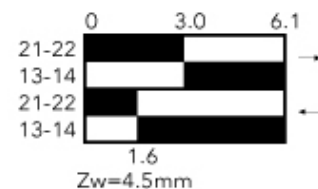
8601E

1M



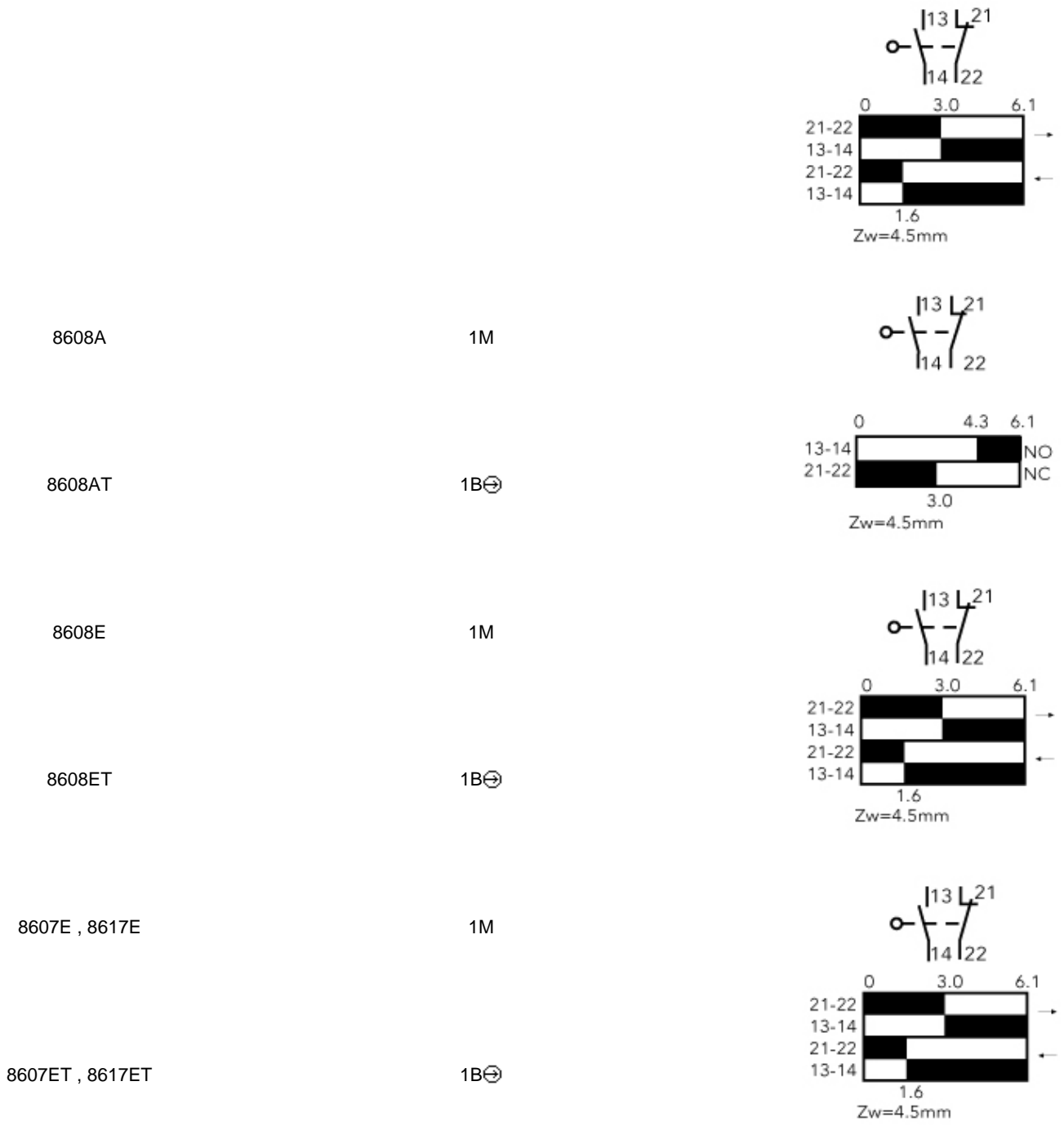
8601ET

1B⊕



8611A	1M	
8611AT	1B⊕	
8611E	1M	
8611ET	1B⊕	
8606E	1M	
8606ET	1B⊕	
8602A	1M	
8602AT	1B⊕	
8602B	1M	
8602BT	1B⊕	
8602D	-	
8602DT	2B⊕	
8602E	1M	
8602ET	1B⊕	

8603A	1M	
8603AT	1B \ominus	
8603B	1M	
8603BT	1B \ominus	
8603D	-	
8603DT	2B \ominus	
8603E	1M	
8603ET	1B \ominus	
8604A	1M	
8604AT	1B \ominus	
8604E	1M	
8604ET	1B \ominus	



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