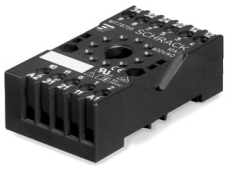
Accessories Multimode Relay MT

- **Snap-on mounting on DIN-rail**
- **Screw mounting**
- **Pozidrive screws with rising clamp terminals**
- **Logical layout of input-/output connections**
- **White marking area**

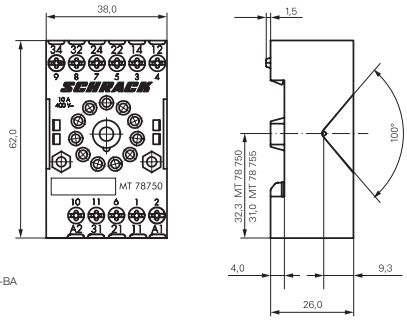
F0235-B

MT DIN-rail sockets with screw-type terminals

MT 78 750 MT3 DIN-rail socket with screw-type terminals, 11-pin
MT 78 755 MT2 DIN-rail socket with screw-type terminals, 8-pin

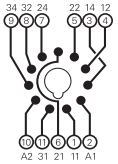


F0103-B



S0311-BA

MT 78 750

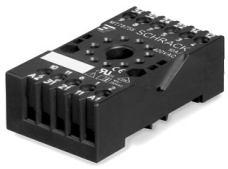


S0414-AB

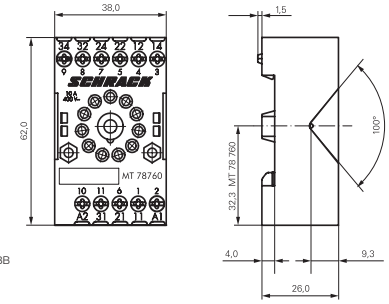
MT 78 755

S0414-AC

MT78 760 MT3 DIN-rail socket with screw-type terminals, 11-pin

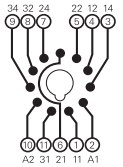


F0103-B



S0311-BB

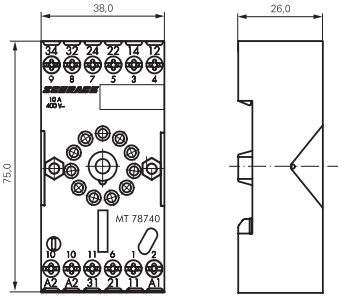
MT 78 760



S0414-AA

MT 78 740 MT3 DIN-rail socket with screw-type terminals, 11-pin
MT 78 745 MT2 DIN-rail socket with screw-type terminals, 8-pin

F0200-B



S0366-A

Socket system MT 78 740 and MT 78 745
- 8/11 pin socket for MT2 / MT3
- Double A2 screw for simple further connection of coil supply

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Accessories Multimode Relay MT (Continued)

Approvals

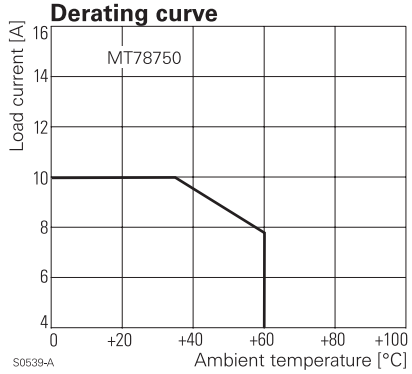
VDE Cert. No. 40009096, cULus E135149

Technical data	MT78 750/755/760/740/745
Rated voltage/Max. switching voltage AC	240/400 VAC
Rated current	10 A
Dielectric strength	
coil-contact circuit	2500 V_{rms}
open contact circuit	1500 V_{rms}
adjacent contact circuit	2500 V_{rms}
Clearance / creepage coil-contact circuit	≥ 2.8/4 mm
Material group of insulation parts	IIIa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
adjacent contact circuits	basic
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230/400 V
Overvoltage category	III
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature range	-20…+80°C
Terminals	screw
Terminal screw torque acc. IEC 61984	0.5 Nm
max.	0.7 Nm
Wire strip length	9 mm
Wire cross section	
single wire	2 x 2.5 mm^2
fine wire	2 x 2.5 mm^2
with bootlace crimp (DIN 46228/1)	2 x 1.5 mm^2
Insertion cycles	A (10)
Max. Insertion Force total	100 N
Mounting distance	≥ 0 mm, dense packing
Weight	
MT 78 750/760	54 g
MT 78 755	47 g
MT 78 740	62 g
MT 78 745	56 g
Packaging unit	25 pcs

DIN-rail sockets with screw-type terminals

Type		Part Number
MT 78 750	DIN-rail socket with screw-type terminals, 11-pin	1415035-1
MT 78 755	DIN-rail socket with screw-type terminals, 8-pin	3-1415035-1
MT 78 760	DIN-rail socket with screw-type terminals, 11-pin	8-1415034-1
MT 78 740	DIN-rail socket with screw-type terminals, 11-pin	8-1393163-3
MT 78 745	DIN-rail socket with screw-type	8-1393163-4

Derating curve



Accessories for MT 78 750, MT 78 755, MT 78 760, MT 78 740, MT 78 745

Type		Part Number
MT 28 800	Metal retaining clip MT	8-1393163-0

LED and Protection modules for MT 78 740, MT 78 745

Type		Part Number
MTM T0 0A0	Protection diode 1N4007 (A1+, A2-)	7-1393163-6
MTM U0 730	RC-network 110...230 VAC	7-1393163-8
MTM L0 024	red LED 24 VAC / VDC	7-1393163-4

F0201-B

Function modules for MT 78 740, MT 78 745

Type		Part Number
MTM Z0 W00	Delay ON	7-1393163-9
MTM F0 W00	Multifunction	7-1393163-3

F0203-B

F0204-B

Technical data - Function modules

Nominal voltage	24...240 VDC / VAC
Mains frequency	48...63 Hz
Precision of time setting	+ 0.5 %
Readiness for repetition	≤ 0.5 % or 5 ms
Influence of temperature	≤ 0.1 %/°C
Time range switchable	0.05s...240h in 8 ranges
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature range	-25…+55°C

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Accessories Multimode Relay MT (Continued)

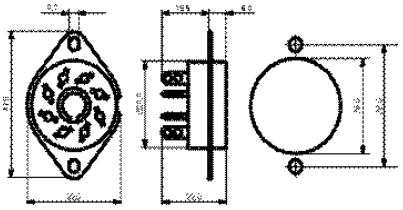
Function modules for MT 78 740, MT 78 745

Function	
Delay ON	
Delay OFF	
single shot leading edge	
single shot trailing edge	
Delay ON triggerd by signal contact	
single shot	
flasher starting with pause	
flasher starting with pulse	

MT Sockets for PCB and with solder terminals MT 78 602/603/612/613

MT 78 612 Socket 8-pin with solder terminals

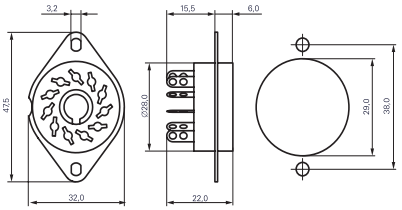
F0107-A



S0309-AA

MT 78 613 Socket 11-pin with solder terminals

F0104-A

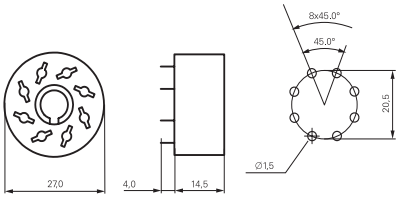


S0309-AB

MT Sockets for PCB and with solder terminals MT 78 602/603/612/613 (continued)

MT 78 602 Socket 8-pin with PCB terminals

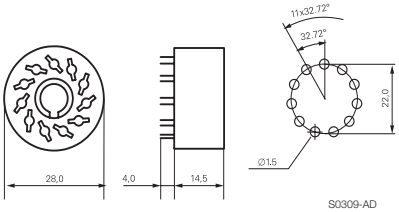
F0105-A



S0309-AC

MT 78 603 Socket 11-pin with PCB terminals

F0106-A



S0309-AD

Technical data	MT78 602/603/612/613
Rated voltage/Max. switching voltage AC	240/400 VAC
Rated current	10 A
Dielectric strength	
coil-contact circuit	2500 V_{rms}
open contact circuit	1500 V_{rms}
adjacent contact circuits	2500 V_{rms}
Clearance / creepage coil-contact circuit	≥ 2.8/4 mm
Material group of insulation parts	IIIa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
adjacent contact circuits	basic
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230/400 V
Overvoltage category	III
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature range	-40…+70°C
Terminals	pcb, solder terminals
Insertion cycles	A (10)
Max. Insertion Force total	100 N
Mounting distance	≥ 0 mm, dense packing
Resistance to soldering heat	270°C/10s
Weight	7 g
Packaging unit	25 pcs

Sockets with solder and PCB terminals

Type		Part Number
MT 78 612	Socket 8-pin with solder terminals	7-1415043-1
MT 78 613	Socket 11-pin with solder terminals	8-1415043-1
MT 78 602	Socket 8-pin with PCB terminals	9-1415043-1
MT 78 603	Socket 11-pin with PCB terminals	1415044-1

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9