

#### **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



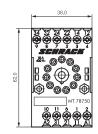
#### MT DIN-rail sockets with screw-type terminals

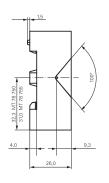
MT 78 750 MT3 DIN-rail socket with screw-type terminals, 11-pin MT 78 755 MT2 DIN-rail socket with screw-type terminals, 8-pin

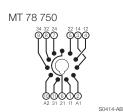
S0311-BA

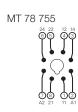
MT3 DIN-rail socket with screw-type terminals, 11-pin











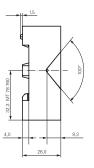
S0414-AC

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MT78 760



S0311-BB



MT 78 760

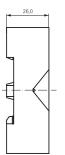
MT 78 740 MT 78 745

c**Al**us

MT3 DIN-rail socket with screw-type terminals, 11-pin MT2 DIN-rail socket with screw-type terminals, 8-pin







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



02-2017, Rev. 0117





#### Accessories Multimode Relay MT (Continued)

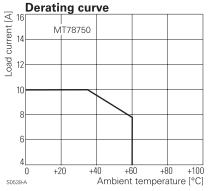
Approvals	
VDE Cert. No. 40009096, cULus E135149	

Technical data M	T78 750/755/760/740/745
Rated voltage/Max. switching voltage AC	C 240/400 VAC
Rated current	10 A
Dielectric strength	
coil-contact circuit	2500 V <sub>rms</sub>
open contact circuit	1500 V <sub>rms</sub>
adjacent contact circuit	2500 V <sub>rms</sub>
Clearance / creepage coil-contact circui	t ≥ 2.8/4 mm
Material group of insulation parts	Illa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circui	t functional
adjacent contact ci	rcuits 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/rohssupportcei		
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 <sup>2</sup>	
fine wire	2 x 2.5 mm <sup>2</sup>	
with bootlace crimp (DIN 46228/1) 2 x 1.5 mm <sup>2</sup>		
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	1415035-1
	terminals, 11-pin	
MT 78 755	DIN-rail socket with screw-type	3-1415035-1
	terminals, 8-pin	
MT 78 760	DIN-rail socket with screw-type	8-1415034-1
	terminals, 11-pin	
MT 78 740	DIN-rail socket with screw-type	8-1393163-3
	terminals, 11-pin	
MT 78 745	DIN-rail socket with screw-type	8-1393163-4



# 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 TO 0A0	Protection diode 1N4007 (A1+, A2-)	7-1393163-6
MTM U0 730	RC-network 110230 VAC	7-1393163-8
MTM L0 024	red LED 24 VAC / VDC	7-1393163-4



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	





Technical data - Function modules		
Nominal voltage	24240 VDC / VAC	
Mains frequency	4863 Hz	
Precision of time setting	+ 0.5 %	
Readiness for repetition	≤ 0.5 % or 5 ms	
Influence of temperature	≤ 0.1 %/°C	
Time range switchable	0.05s240h in 8 ranges	
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen conter		
refer to the Product Compliance Support Center a		
	www.te.com/customersupport/rohssupportcenter	
Ambient temperature range	ge -25+55°C	

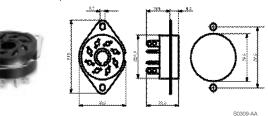


#### **Accessories Multimode Relay MT** (Continued)

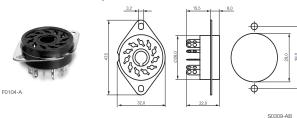
### Function modules for MT 78 740, MT 78 745 Function Delay ON U/t 🔟 Delay OFF S single shot leading edge S single shot trailing edge Delay ON U/t . triggerd by signal contact R single shot flasher starting with pause U/t \_ flasher starting with pulse U/t \_

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

MT 78 612 Socket 8-pin with solder terminals

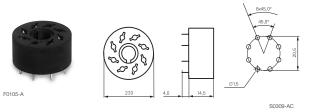


MT 78 613 Socket 11-pin with solder terminals

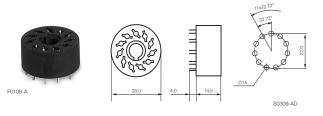


## MT Sockets for PCB and with solder terminals MT 78 602/603/612/613 (continued)

MT 78 602 Socket 8-pin with PCB terminals



MT 78 603 Socket 11-pin with PCB terminals



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 <sub>rms</sub>
open contact circuit	1500 V <sub>rms</sub>
adjacent contact circuits	2500 V <sub>rms</sub>
Clearance / creepage coil-contact circuit	≥ 2.8/4 mm
Material group of insulation parts	Illa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
adjacent contact circ	cuits 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

www.te.com/castemersappertrenssappertee		
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	eat 270°C/10s	
Weight	7 g	
Packaging unit	25 pcs	

Sockets with solder and PCB terminals		
Туре		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

## **Mouser Electronics**

**Authorized Distributor** 

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TE Connectivity: MT78760 MT78613