

#### **Accessories Multimode Relay MT**

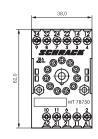
- Snap-on mounting on DIN-rail
- Screw mounting
- **■** Pozidrive screws with rising clamp terminals
- Logical layout of input-/output connections
- **■** White marking area

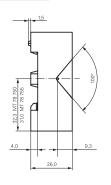


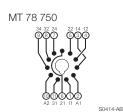
#### MT DIN-rail sockets with screw-type terminals

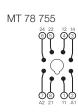
MT 78 750 MT3 DIN-rail socket with screw-type terminals, 11-pin MT 78 755 MT2 DIN-rail socket with screw-type terminals, 8-pin











S0414-AC

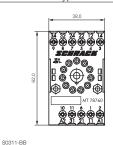
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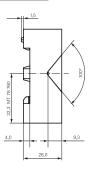
MT78 760

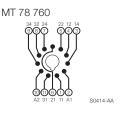
MT3 DIN-rail socket with screw-type terminals, 11-pin

S0311-BA







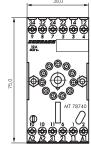


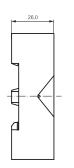
MT 78 740 MT 78 745

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







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







#### Accessories Multimode Relay MT (Continued)

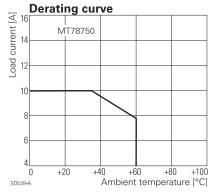
Approvals	
VDE Cert. No. 40009096,	, cULus E135149

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

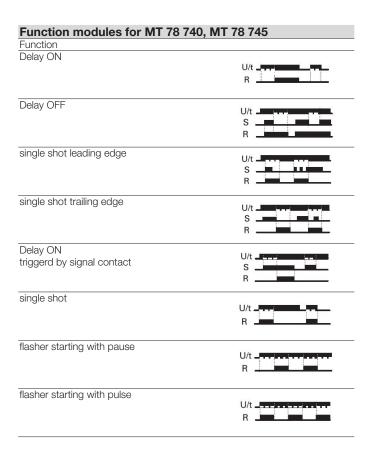




	-	
Technical data - Function modules		
Nominal voltage	24240 VDC / VAC	
Mains frequency	4863 Hz	
Precision of time setting	+ 0.5 %	
Readiness for repetition	≤ 0.5 % or 5 ms	
Influence of temperature	≤ 0.1 %/°C	
Time range switchable	0.05s240h in 8 ranges	
Material compliance: EU F	RoHS/ELV, China RoHS,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

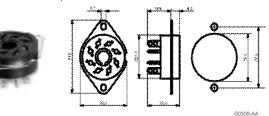


#### **Accessories Multimode Relay MT** (Continued)

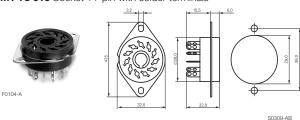


## MT Sockets for PCB and with solder terminals MT 78 602/603/612/613

MT 78 612 Socket 8-pin with solder terminals

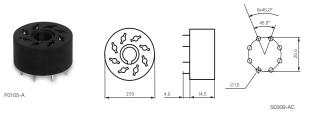


MT 78 613 Socket 11-pin with solder terminals

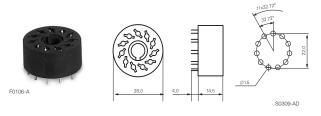


# MT Sockets for PCB and with solder terminals MT 78 602/603/612/613 (continued)

MT 78 602 Socket 8-pin with PCB terminals



MT 78 603 Socket 11-pin with PCB terminals



Technical data MT7	78 602/603/612/613
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 circuits	s basic
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230/400 V
Overvoltage category	III
Material compliance: EU RoHS/ELV, China Re	oHS, REACH, Halogen content

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

www.tc.com/castomersapport/renssapported		
Ambient temperature range	nge -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	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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