

## 1415035-1 Product Details



#### 1415035-1 (MT78750)

TE Internal Number: 1415035-1



#### **Relay Sockets and Accessories**

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### **Product Highlights:**

- Socket
- MT Series
- Socket Type = DIN Rail Mount
- 3 Poles
- Terminal Configuration = Screw

#### **Documentation & Additional Information**

#### **Product Drawings:**

None Available

#### Catalog Pages/Data Sheets:

Accessories - Power Relay MT (PDF, English)

#### **Product Specifications:**

None Available

#### **Application Specifications:**

None Available

#### Instruction Sheets:

• None Available

#### CAD Files:

• None Available

#### **Additional Information:**

• Product Line Information

#### **Related Products:**

Tooling

#### Product Features (Please use the Product Drawing for all design activity)

### **Product Type Features:**

- Product Type = Socket
- Series = MT
- Terminal Configuration = Screw

#### **Termination Features:**

Number of Pins = 11

### **Contact Features:**

Number of Poles = 3

#### Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = UL Recognized, CSA Certified

Other:
• Brand = Schrack



# **Accessories Multimode Relay MT**

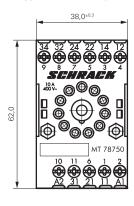
- Snap-on mounting on DIN-rail
- Screw mounting
- Pozidrive screws with rising clamp terminals
- **■** Logical layout of input-/output connections
- White marking area
- Din-rail sockets and accessories: RoHS compliant (Directive 2002/95/EC)



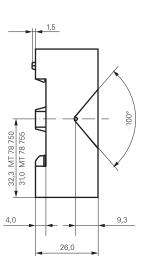
# MT DIN-rail sockets with screw-type terminals

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

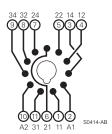


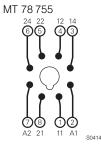


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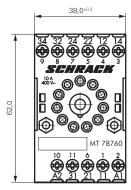
MT 78 750



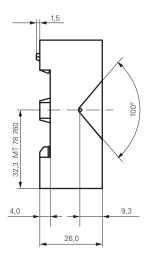


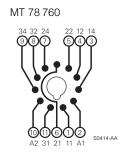
MT 78 760 MT3 DIN-rail socket with screw-type terminals, 11-pin





S0311-BB



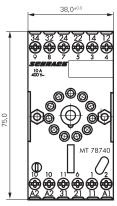


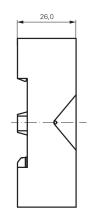


# Accessories Multimode Relay MT (Continued)

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







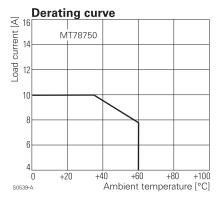
Socket system MT 78 740 and MT 78 745

- 8/11 pin socket for MT2 / MT3
- Double A2 screw for simple further connection of coil supply

Approvals

Technical data	MT 78 750/755/760/740/745
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 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	basic
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230 / 400 V
Overvoltage category	III
RoHS - Directive 2002/95/EC	
DIN-rail sockets and retainers:	compliant
Ambient temperature range	-20+80°C
Terminals	screw
Terminal screw torque acc. IEC 61984	0.5 Nm
max.	0.7 Nm
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, 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			
Туре		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	
MT78 740	DIN-rail socket with screw-type terminals, 11-pin	8-1393163-3	
MT78 745	DIN-rail socket with screw-type terminals, 8-pin	8-1393163-4	





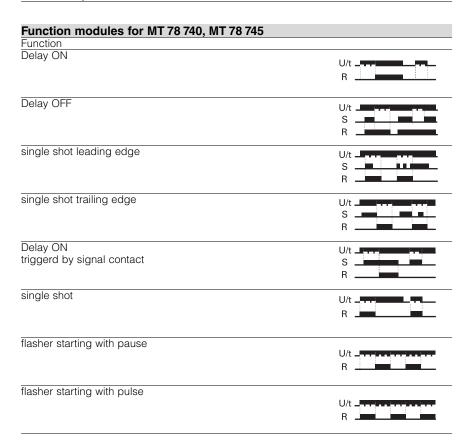
# Accessories Multimode Relay MT (Continued)

<b>Accessorie</b>	s for MT 78 750, MT 78 755, MT 78 760, N	IT 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			
Туре		Part Number	
MTM TO 0A0	Protection diode 1N4007 (A1+, A2-)	7-1393163-6	
MTM U0 730	RC-network 110230 VAC	7-1393163-8	
LED			
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	

<b>Technical data - Function modules</b>	
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
RoHS - Directive 2002/95/EC	compliant as per product date code 0515
Ambient temperature	-25+55 °C





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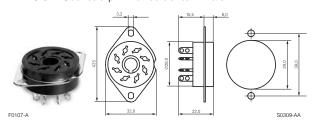
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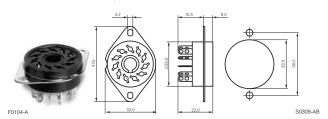
# Accessories Multimode Relay MT (Continued)

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

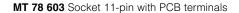
## MT 78 612 Socket 8-pin with solder terminals



## MT 78 613 Socket 11-pin with solder terminals

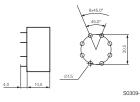


#### MT 78 602 Socket 8-pin with PCB terminals



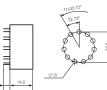












28,0	4,0	14,5	S0309-AE

Technical data	MT 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 circui		
adjacent contact ci		
Rated insulation voltage	250	
Pollution degree	2	
Rated voltage system	230 / 400	
Overvoltage category	<u> </u>	
RoHS - Directive 2002/95/EC		
MT 78 602, MT 78 603	compliant as per product date code 0517	
MT 78 612, MT 78 613	compliant as per product date code 0543	
Ambient temperature range	-40+70°C	
Terminals	pcb, solder teminals	
Insertion cycles	A (10)	
Max. Insertion Force total	100 N	
Mounting distance	≥ 0, dense packing	
Resistance to soldering heat	270°C / 10 s	
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