

	Pluggable replacement solid state relay	Pluggable replacement solid state relay
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Description	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Pluggable replacement solid state relay	857-161	20	857-164	20	857-167	20

Technical Data						
<b>Control circuit:</b>						
Nominal input voltage (V <sub>N</sub> )	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Input voltage range	18 V ... 30 V DC	16 V ... 30 V DC	16 V ... 30 V DC	18 V ... 30 V DC	18 V ... 30 V DC	18 V ... 30 V DC
Nominal input current (I <sub>N</sub> )	7 mA	7 mA	7 mA	7 mA	7 mA	7 mA
<b>Load circuit:</b>						
Switching voltage	0 V ... 24 V DC	0 V ... 48 V DC	0 V ... 48 V DC	24 V ... 240 V AC	24 V ... 240 V AC	24 V ... 240 V AC
Peak reverse voltage	33 V	54 V	54 V	600 V	600 V	600 V
Max. switching current	3 A DC	100 mA DC	100 mA DC	2 A AC	2 A AC	2 A AC
Forward voltage at max. switching current	< 120 mV DC	< 1 V DC	< 1 V DC	< 1 V AC	< 1 V AC	< 1 V AC
Dielectric strength control/switching circuit	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
<b>General Specifications</b>						
Ambient operating temperature	-30 °C ... +80 °C	-20 °C ... +60 °C	-20 °C ... +60 °C	-30 °C ... +80 °C	-30 °C ... +80 °C	-30 °C ... +80 °C
Storage temperature	-40 °C ... +100 °C	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +100 °C	-40 °C ... +100 °C	-40 °C ... +100 °C
Dimensions (mm) W x H x L	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28

Description	Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Pluggable replacement solid state relay	857-162	20	857-165	20	857-168	20

Technical Data						
<b>Control circuit:</b>						
Nominal input voltage (V <sub>N</sub> )	60 V DC	60 V DC	60 V DC	60 V DC	60 V DC	60 V DC
Input voltage range	35 V ... 72 V DC	52 V ... 72 V DC	52 V ... 72 V DC	35 V ... 72 V DC	35 V ... 72 V DC	35 V ... 72 V DC
Nominal input current (I <sub>N</sub> )	3 mA	2.8 mA	2.8 mA	3.1 mA	3.1 mA	3.1 mA
<b>Load circuit:</b>						
Switching voltage	0 V ... 24 V DC	0 V ... 48 V DC	0 V ... 48 V DC	24 V ... 240 V AC	24 V ... 240 V AC	24 V ... 240 V AC
Peak reverse voltage	33 V	54 V	54 V	600 V	600 V	600 V
Max. switching current	3 A DC	100 mA DC	100 mA DC	2 A AC	2 A AC	2 A AC
Forward voltage at max. switching current	< 120 mV DC	< 1 V DC	< 1 V DC	< 1 V AC	< 1 V AC	< 1 V AC
Dielectric strength control/switching circuit	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
<b>General Specifications</b>						
Ambient operating temperature	-30 °C ... +80 °C	-20 °C ... +60 °C	-20 °C ... +60 °C	-20 °C ... +80 °C	-20 °C ... +80 °C	-20 °C ... +80 °C
Storage temperature	-40 °C ... +100 °C	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +100 °C	-40 °C ... +100 °C	-40 °C ... +100 °C
Dimensions (mm) W x H x L	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28	5 x 15 x 28