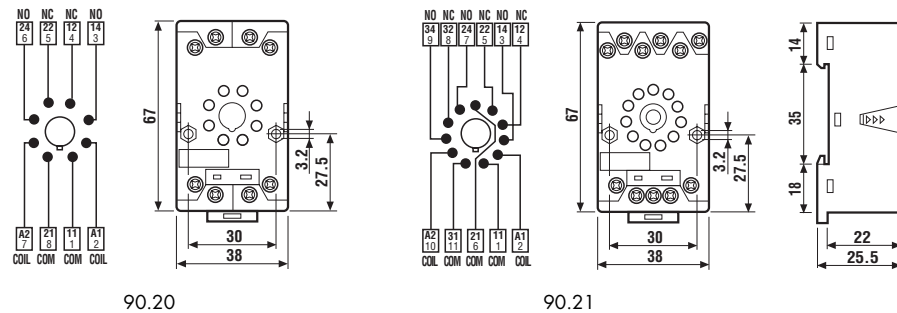




Approvals  
(according to type):



Screw terminal (Box clamp) socket panel or 35 mm rail (EN 50022) mount For relay type	90.20 Blue	90.20.0 Black	90.21 Blue	90.21.0 Black
	60.12		60.13	
<b>Accessories</b>				
Metal retaining clip (supplied with socket - packaging code SMA)				090.33
Modules (see table below)				99.01
<b>Technical data</b>				
Rated values	10 A - 250 V			
Dielectric strength	≥ 2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -40...+70			
⊕ Screw torque	Nm 0.5			
Wire strip length	mm 10			
Max. wire size for 90.20 and 90.21 sockets	solid wire		stranded wire	
	mm <sup>2</sup> 1x6 / 2x2.5		1x6 / 2x2.5	
	AWG 1x10 / 2x14		1x10 / 2x14	



Approvals  
(according to type):



\* Modules in Black housing are available on request.

Green LED is standard.  
Red LED available on request.

99.01 coil indication and EMC suppression modules for 90.20 and 90.21 sockets		Blue*
See technical data pages 247/248		
Diode (+A1, standard polarity)	(6...220)V DC	99.01.3.000.00
Diode (+A2, non-standard polarity)	(6...220)V DC	99.01.2.000.00
LED	(6...24)V DC/AC	99.01.0.024.59
LED	(28...60)V DC/AC	99.01.0.060.59
LED	(110...240)V DC/AC	99.01.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC	99.01.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC	99.01.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC	99.01.9.220.99
LED + Diode (+A2, non-standard polarity)	(6...24)V DC	99.01.9.024.79
LED + Diode (+A2, non-standard polarity)	(28...60)V DC	99.01.9.060.79
LED + Diode (+A2, non-standard polarity)	(110...220)V DC	99.01.9.220.79
LED + Varistor	(6...24)V DC/AC	99.01.0.024.98
LED + Varistor	(28...60)V DC/AC	99.01.0.060.98
LED + Varistor	(110...240)V DC/AC	99.01.0.230.98
RC circuit	(6...24)V DC/AC	99.01.0.024.09
RC circuit	(28...60)V DC/AC	99.01.0.060.09
RC circuit	(110...240)V DC/AC	99.01.0.230.09
Residual current by-pass (62 kΩ/1W)	(110...240)V AC	99.01.8.230.07

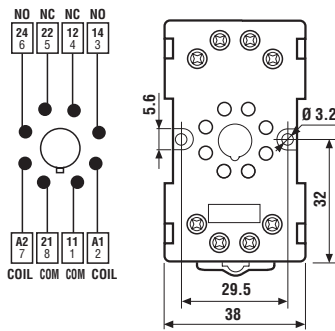


90.83.3

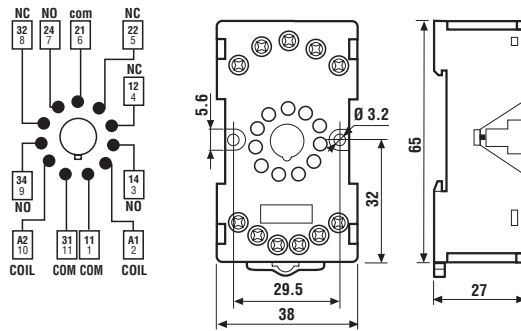
Approvals  
(according to type):



<b>Screw terminal (Box clamp) socket</b> panel or 35 mm rail (EN 50022) mount For relay type	<b>90.82.3</b> <b>Blue</b> 60.12	<b>90.82.30</b> <b>Black</b>	<b>90.83.3</b> <b>Blue</b> 60.13	<b>90.83.30</b> <b>Black</b>
<b>Accessories</b>				
Metal retaining clip	090.33			
<b>Technical data</b>				
Rated values	10 A - 250 V			
Dielectric strength	≥ 2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -40...+70			
⊕ Screw torque	Nm 0.8			
Max. wire size for 90.82.3 and 90.83.3 sockets	solid wire		stranded wire	
	mm <sup>2</sup> 1x6 / 2x4		1x6 / 2x4	
	AWG 1x10 / 2x14		1x10 / 2x14	



90.82.3



90.83.3

60

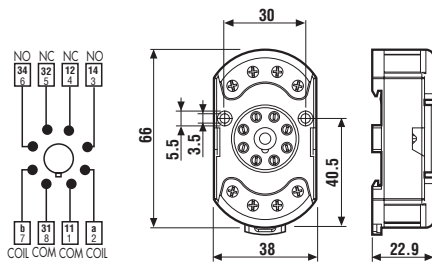


90.23

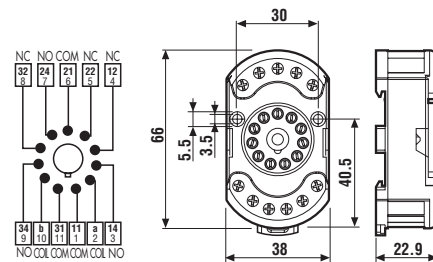
Approvals  
(according to type):



<b>Screw (Box clamp) terminal socket</b> panel or 35 mm rail (EN 50022) mount For relay type	<b>90.22 (blue)</b> 60.12	<b>90.23 (blue)</b> 60.13
<b>Accessories</b>		
Metal retaining clip (supplied with socket - packaging code SMA)	090.33	
<b>Technical data</b>		
Rated values	10 A - 250 V	
Dielectric strength	≥ 2 kV AC	
Protection category	IP 20	
Ambient temperature	°C -40...+70	
⊕ Screw torque	Nm 0.5	
Wire strip length	mm 7	
Max wire size for 90.22 and 90.23 sockets	solid wire	
	mm <sup>2</sup> 1x6 / 2x2.5	
	AWG 1x10 / 2x14	
		stranded wire
		mm <sup>2</sup> 1x6 / 2x2.5
		AWG 1x10 / 2x14



90.22



90.23