



GREEN ELECTRONICS



MSP

Terminal Blocks



ISO
9001



ISO
14001



BS OHSAS
18001:2007



Sauro®
ELECTRONIC CONNECTORS
by the law

Características funcionales

Tipo de capacidad:
alta



Color estandar:
verde



Altitud:
21.5 mm (.846 in)



Máxima sección de cable homologada:
rígido: 6 mm² (IMQ); 10 AWG (UL)
flexible: 4 mm² (IMQ); 10 AWG (UL)

Apertura del cajetín:
3.8 x 3.2 mm (.150 x .126 in)

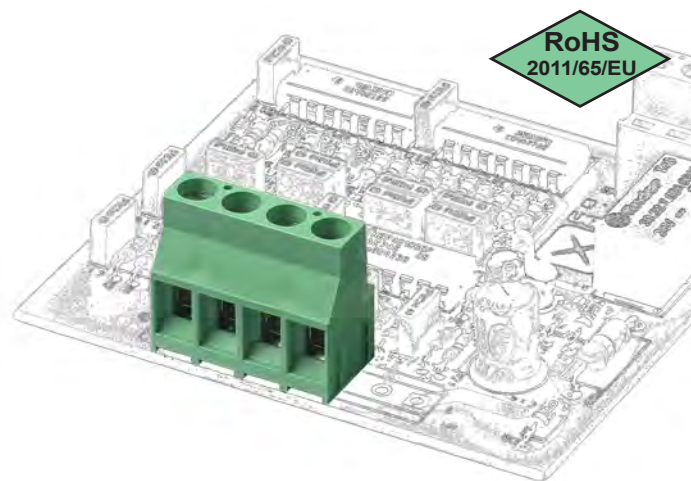
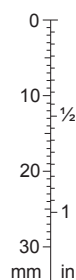


Versiónes:
modular

**Numero máximo de polos
en cuerpos monolíticos:**
de 2 hasta 5



pasos:
Pulgados 6.35 mm, 9.52 mm, 12.7 mm
(.250 in, .375 in, 0.500 in)



paso 6.35 mm
recto, modular



paso 9.52 mm
recto, modular



paso 12.7 mm
recto, modular



paso 6.35 mm
90°, modular



paso 6.35 mm
35°, modular



Design-in
custom configuración



Design-in
de 2 hasta 5 polos
recto, modular

Breve descripción

La regleta modular serie MSP para circuitos impresos permite el cableado de cables hasta 6mm² (10 AWG) y de consecuencia un caudal de corriente que llega a los 41A homologados.

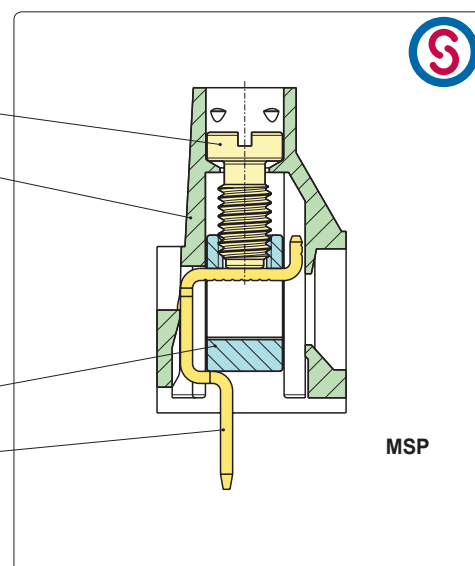
Está disponible en pasos en decimo de pulgada de 6.35 mm (.250 in), de 9.52 mm (.375 in) y de 12.7 mm (.500 in), con cuerpos modulares desde 2 hasta 3 vias, con introducción del cable paralelo al PCB, inclinado de 35° o vertical con respecto a la placa.

Todos los cuerpos son modulares por eso es posible componer regletas bases hasta obtener cualquier numero de vias; explotando esta peculiaridad es posible gestionar un almacenaje mínimo de regletas base.

Los empaquetados Kit permiten una simplificación de la gestion del producto, del almacen y del ensamblaje, porque con un sólo codigo se reciben más versiones, se reducen de mucho a los part-number y se reducen los riesgos de error.

Características de los componentes

- Tornillo M3.5 en aleación de cobre niquelado.
- Cuerpo plástico en poliamida PA 6.6
Color estándar: VERDE.
Autoextinción en clase V0 según UL94.
Resistente a los disolventes clorados
exentos de fósforo, dioxina y
halógenos perjudiciales para la Salud
- Cajetín en aleación de cobre niquelado.
- Pin en aleación de cobre estañado,
facilmente soldable, sin plomo.



Características mecánicas

Par de apriete recomendado	0.8/1.0 Nm (7/8.85 lbf·in)
Espesor de la placa:	max. 4 mm (.157 in)
Diámetro taladro:	min. 1.3 mm (.051 in)
Longitud a desaislar	7 ÷ 8 mm (.28 ÷ .31 in)
Intervalo de temperatura de utilización	-40 °C ÷ +110 °C (-40 °F ÷ +230 °F)
Categoría climática	40/110/21 según EN 60068-1

Características eléctricas*

Sección de cable rígido	30÷10 AWG (UL)* 0.05÷6 mm² (IMQ)*
Sección de cable flexible	30÷10 AWG (UL)* 0.05÷4 mm² (IMQ)*
Tensión nominal, pasos 6.35 mm (.250 in) y 7.62 mm (.300 in)	450 V (UL)*
Tensión nominal, pasos 9.52 mm (.375 in) y 12.7 mm (.500 in)	750 V (IMQ)*
Corriente nominal	41 A (IMQ)*
Corriente nominal	24 A (UL)*
Resistencia de contacto	<15 mΩ
Resistencia de aislamiento	>10⁹ Ω (500V DC)

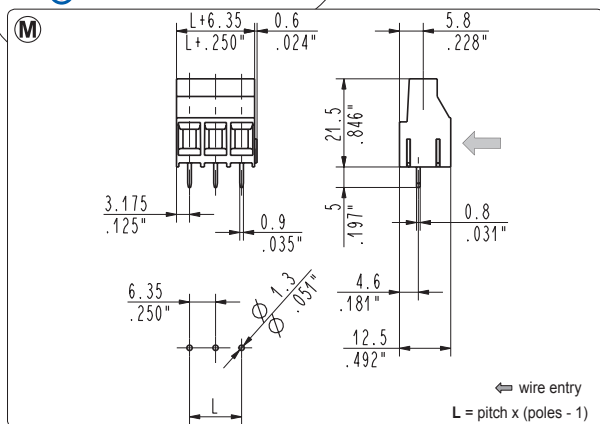
*Todos los datos de arriba son los más altos entre los homologados.

Voltaje, I valores de corriente y apriete están ligados a las normas que tienen que aplicarse al producto y a su uso.

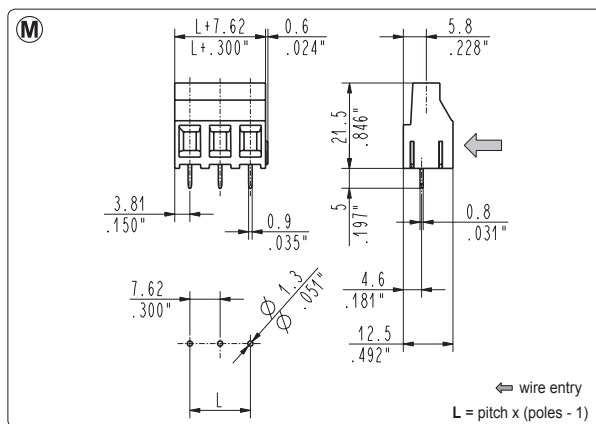
Homologaciones

IEC-EN	IEC:	450 V - T 110 - 41 A - 6 mm² rígido (32 A - 4 mm² flexible) por paso 6.35 mm (.250 in) y 7.62 mm (.300 in)
	EN 60998	750 V - T 110 - 41 A - 6 mm² rígido (32 A - 4 mm² flexible) por pasos 9.52 mm (.375 in) y 12.7 mm (.500 in)
UL	UL:	300 V - 30 A (24 A for low rated current versions) - 30÷10 AWG - 7 lbf·in por paso 6.35 mm (.250 in) y 7.62 mm (.300 in)
	File E167473	600 V - 30 A (24 A for low rated current versions) - 30÷10 AWG - 7 lbf·in por pasos 9.52 mm (.375 in) y 12.7 mm (.500 in) Los valores de aplicación para equipo final tienen que ser según las normas UL y a éste aplicables.
VDE	VDE:	450 V - 32 A - T 110 - 4 mm² por paso 6.35 mm (.250 in)
	File n. 40021758	750 V - 32 A - T 110 - 4 mm² por paso 9.52 mm (.375 in)
IMQ	IMQ:	450 V - T 110 - 41 A - 6 mm² rígido (32 A - 4 mm² flexible) por paso 6.35 mm (.250 in)
	File: CA02.00899	750 V - T 110 - 41 A - 6 mm² rígido (32 A - 4 mm² flexible) por paso 9.52 mm (.375 in)

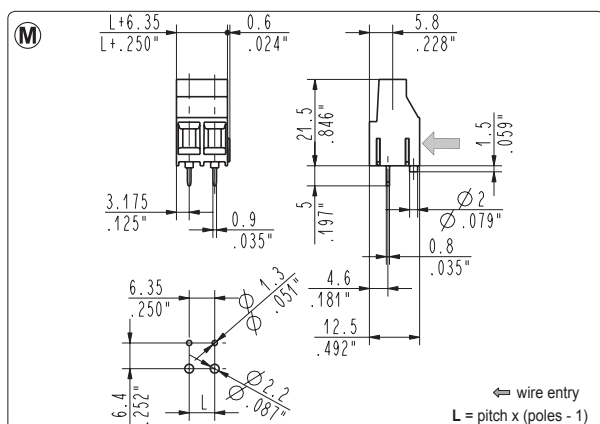
Ver también "Certifications" a la página 8

**MSP_00S****straight, modular****6.35 mm / .250" pitch**

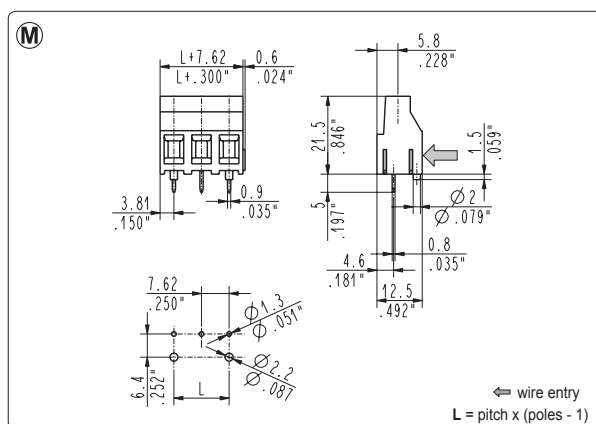
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200S	720	4,46
03	MSP0300S	480	4,46
04	MSP0400S	360	4,46
05	MSP0500S	280	4,34

**MSP_007****straight, modular****7.62 mm / .300" pitch**

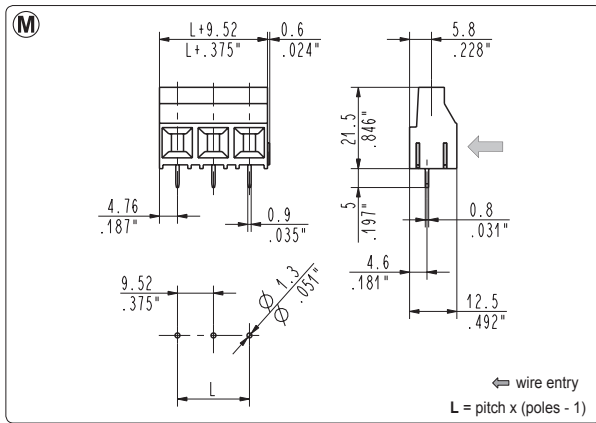
Poles	Code	Pcs/pack.	W [kg]*
02	MSP02007	600	3,90
03	MSP03007	400	3,90
04	MSP04007	280	3,64
05	MSP05007	240	3,90

**MSP_00S-0000P****straight, modular with VDE pegs****6.35 mm / .250" pitch**

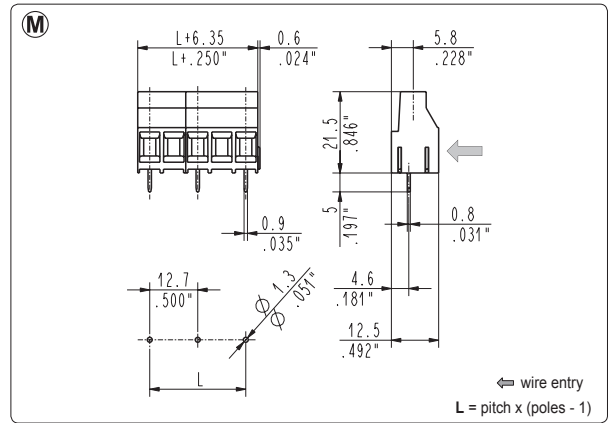
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200S-0000P	720	4,46
03	MSP0300S-0000P	480	4,46

**MSP_007-0000P****straight, modular with VDE pegs****7.62 mm / .300" pitch**

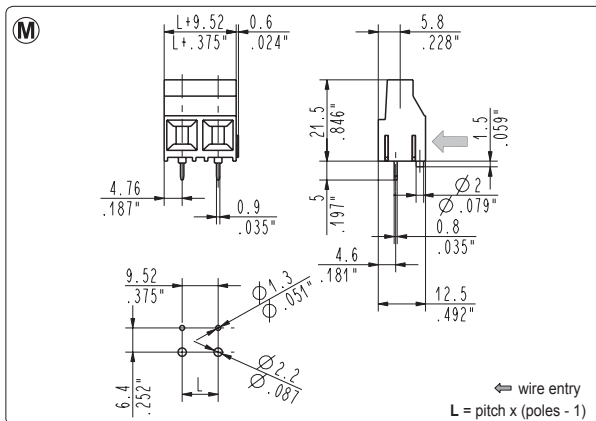
Poles	Code	Pcs/pack.	W [kg]*
02	MSP02007-0000P	600	3,90
03	MSP03007-0000P	400	3,90

**MSP_00N****straight, modular****9.52 mm / .375" pitch**

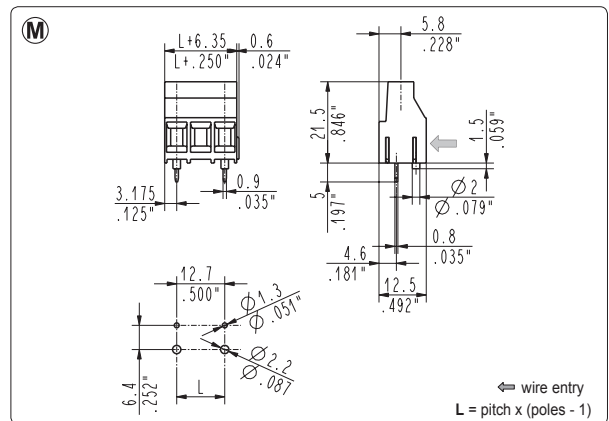
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200N	480	3,30
03	MSP0300N	320	3,30

**MSP_00U****straight, modular****12,7 mm / .500" pitch**

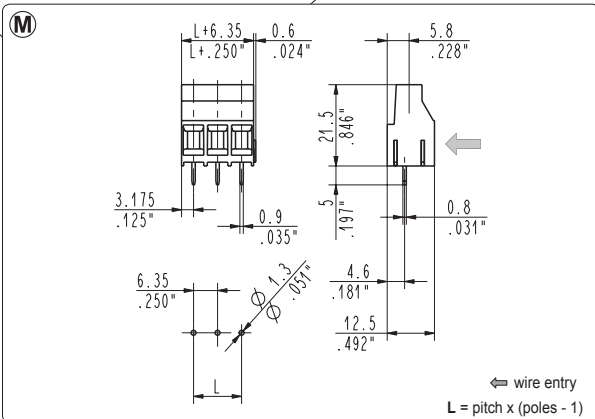
Poles	Code	Pcs/pack.	W [kg]*
01	MSP0100U	720	2,59
02	MSP0200U	480	3,46
03	MSP0300U	280	3,02

**MSP_00N-0000P****straight, modular with VDE pegs****9.52 mm / .375" pitch**

Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200N-0000P	480	3,30
03	MSP0300N-0000P	320	3,30

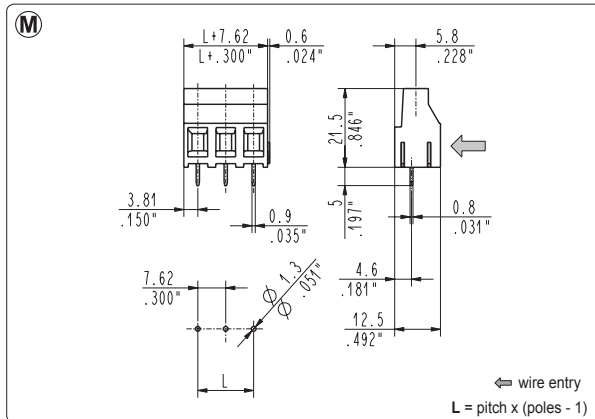
**MSP_00U-0000P****straight, modular with VDE pegs****12,7 mm / .500" pitch**

Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200U-0000P	720	2,59
03	MSP0300U-0000P	480	3,46


MSP_00S-000E straight, modular, low ampere rating

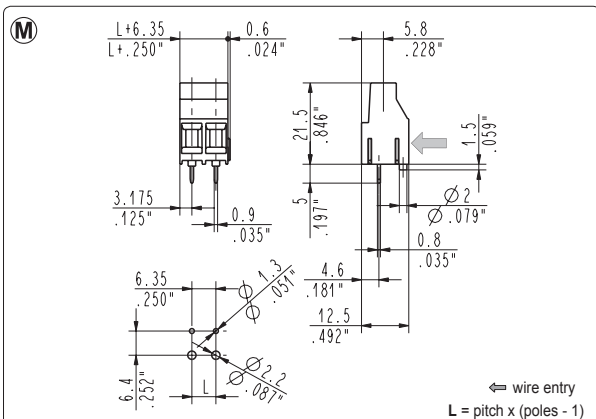
6.35 mm / .250" pitch

Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200S-000E	720	4,46
03	MSP0300S-000E	480	4,46
04	MSP0400S-000E	360	4,46
05	MSP0500S-000E	280	4,34


MSP_007-000E straight, modular, low ampere rating

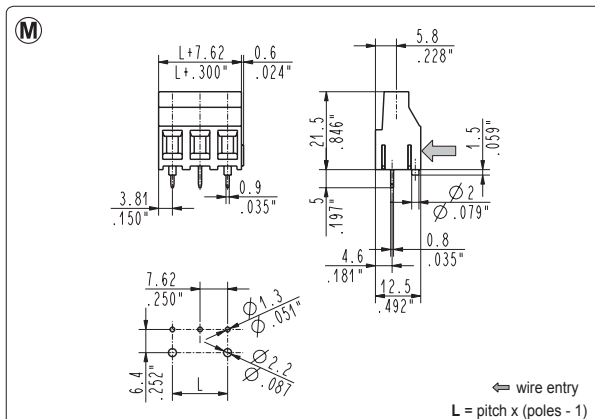
7.62 mm / .300" pitch

Poles	Code	Pcs/pack.	W [kg]*
02	MSP02007-000E	600	3,90
03	MSP03007-000E	400	3,90
04	MSP04007-000E	280	3,64
05	MSP05007-000E	240	3,90


MSP_00S-000EP straight, modular, low ampere rating with pegs

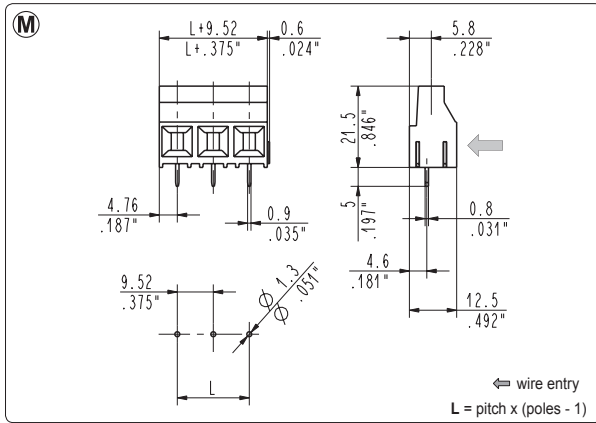
6.35 mm / .250" pitch

Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200S-000EP	720	4,46
03	MSP0300S-000EP	480	4,46


MSP_007-000EP straight, modular, low ampere rating with pegs

7.62 mm / .300" pitch

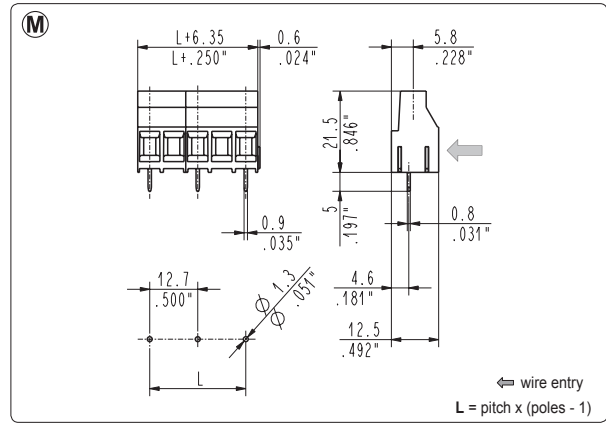
Poles	Code	Pcs/pack.	W [kg]*
02	MSP02007-000EP	600	3,90
03	MSP03007-000EP	400	3,90



MSP__00N-000E	straight, modular, low ampere rating
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9.52 mm / .375" pitch

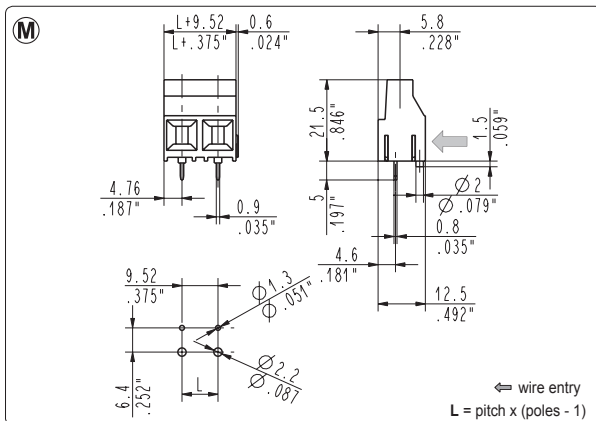
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200N-000E	480	3,30
03	MSP0300N-000E	320	3,30



MSP__00U-000E	straight, modular, low ampere rating
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12,7 mm / .500" pitch

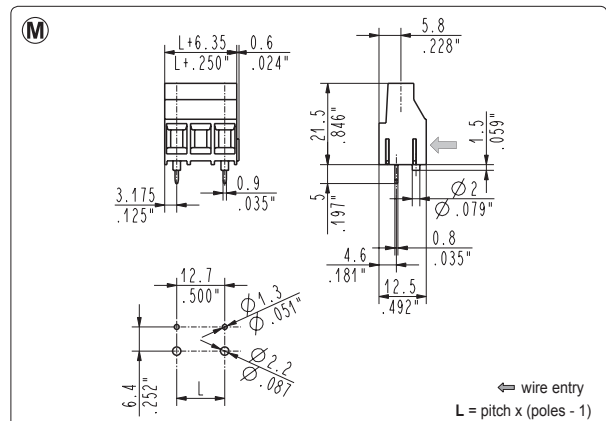
Poles	Code	Pcs/pack.	W [kg]*
01	MSP0100U-000E	720	2,59
02	MSP0200U-000E	480	3,46
03	MSP0300U-000E	280	3,02



MSP__00N-000EP straight, modular, low ampere rating with pegs

9.52 mm / .375" pitch

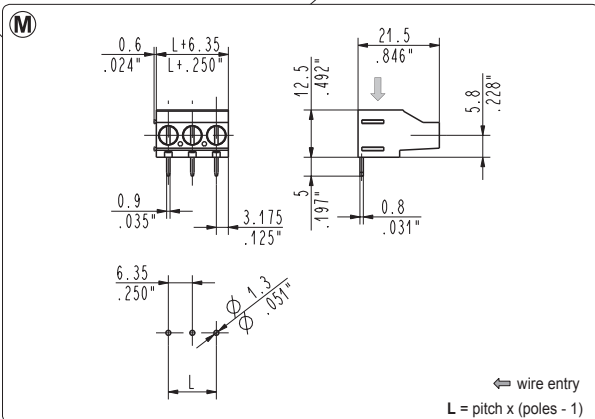
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200N-000EP	480	3,30
03	MSP0300N-000EP	320	3,30



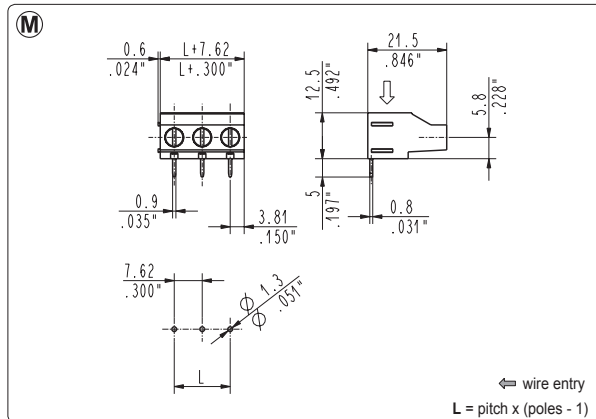
MSP__00U-000EP straight, modular, low ampere rating with pegs

12,7 mm / .500" pitch

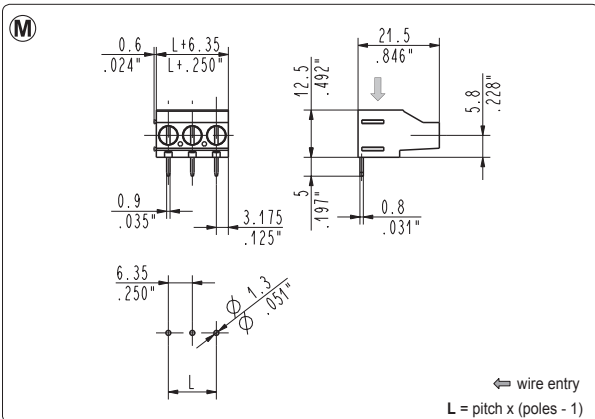
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0200U-000EP	720	2,59
03	MSP0300U-000EP	480	3,46

**MSP_09S 90°, modular****6.35 mm / .250" pitch**

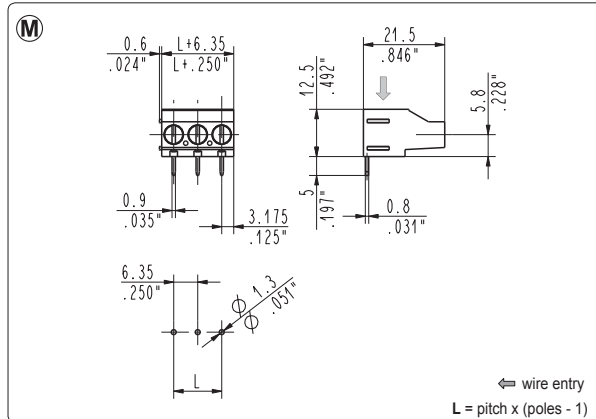
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0209S	720	4,46
03	MSP0309S	480	4,46
04	MSP0409S	360	4,46
05	MSP0509S	280	4,34

**MSP_097 90°, modular****7.62 mm / .300" pitch**

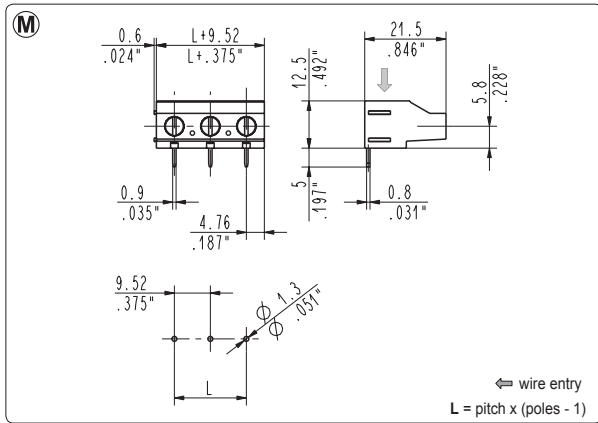
Poles	Code	Pcs/pack.	W [kg]*
02	MSP02097	600	3,90
03	MSP03097	400	3,90
04	MSP04097	280	3,64
05	MSP05097	240	3,90

**MSP_09S-000E 90°, low ampere rating, modular****6.35 mm / .250" pitch**

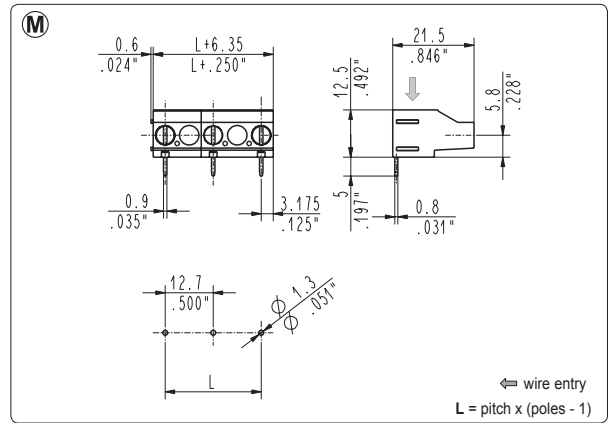
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0209S-000E	720	4,46
03	MSP0309S-000E	480	4,46
04	MSP0409S-000E	360	4,46
05	MSP0509S-000E	280	4,34

**MSP_097-000E 90°, low ampere rating, modular****7.62 mm / .300" pitch**

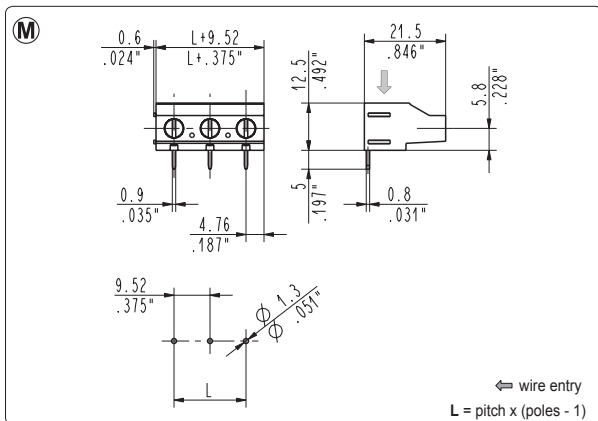
Poles	Code	Pcs/pack.	W [kg]*
02	MSP02097-000E	600	3,90
03	MSP03097-000E	400	3,90
04	MSP04097-000E	280	3,64
05	MSP05097-000E	240	3,90


MSP_09N 90°, modular
9.52 mm / .375" pitch

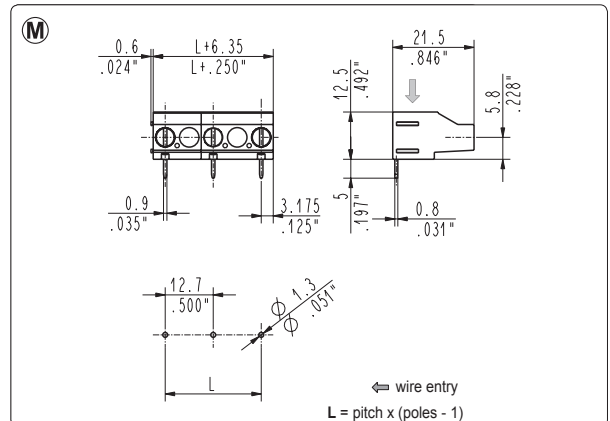
Poles	Code	Pcs/pack.	W [kg]*
02	MSP0209N	480	3,30
03	MSP0309N	320	3,30


MSP_09U 90°, modular
12,7 mm / .500" pitch

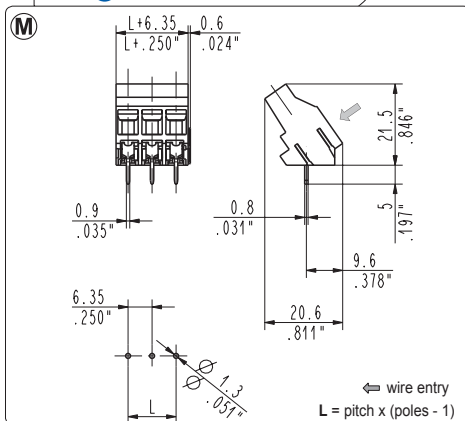
Poles	Code	Pcs/pack.	W [kg]*
01	MSP0109U	720	2,59
02	MSP0209U	480	3,46
03	MSP0309U	280	3,02


MSP_09N-000E 90°, low ampere rating, modular
9.52 mm / .375" pitch

Poles	Code	Pcs/pack.	W [kg]*
02	MSP0209N-000E	480	3,30
03	MSP0309N-000E	320	3,30

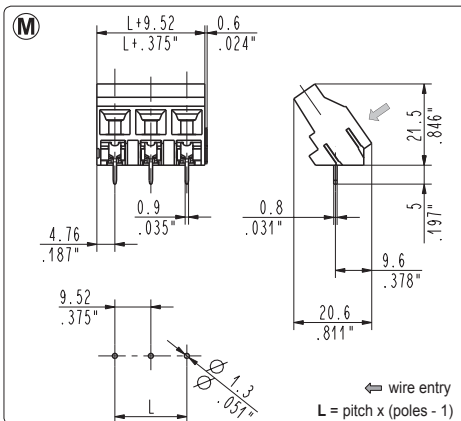

MSP_09U-000E 90°, low ampere rating, modular
12,7 mm / .500" pitch

Poles	Code	Pcs/pack.	W [kg]*
01	MSP0109U-000E	720	2,59
02	MSP0209U-000E	480	3,46
03	MSP0309U-000E	280	3,02

**MSP_04S 35°, modular**

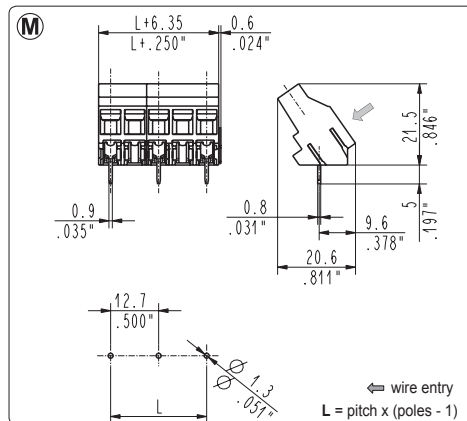
6.35 mm / .250" pitch

Poles	Code	Pcs/pack.	W [kg]*	Pcs/Ind.**	W [kg]*
02	MSP0204S	200	1,19	1000	5,94
03	MSP0304S	200	1,19	1000	5,94

**MSP_04N 35°, modular**

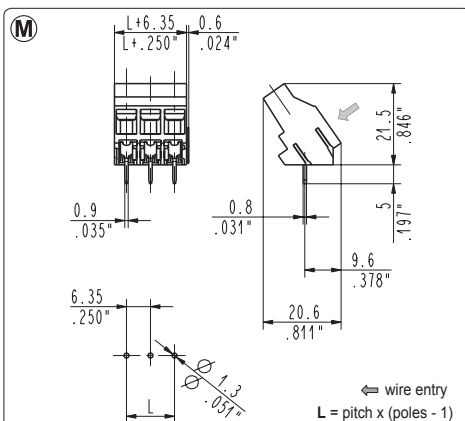
9.52 mm / .375" pitch

Poles	Code	Pcs/pack.	W [kg]*	Pcs/Ind.**	W [kg]*
02	MSP0204N	150	1,03	750	5,15
03	MSP0304N	100	1,03	500	5,15

**MSP_04U 35°, modular**

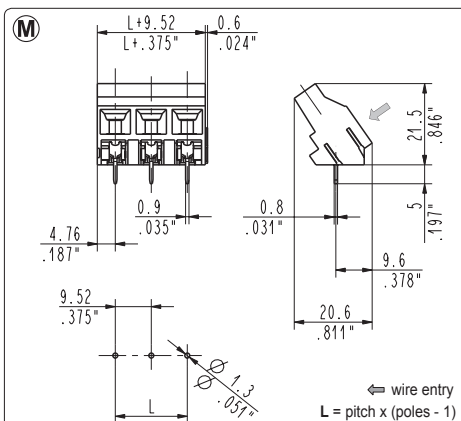
12.7 mm / .500" pitch

Poles	Code	Pcs/pack.	W [kg]*	Pcs/Ind.**	W [kg]*
01	MSP0104U	125	0,89	750	5,37
02	MSP0204U	75	0,81	500	5,37

**MSP_04S-000E 35°, modular, low ampere rating**

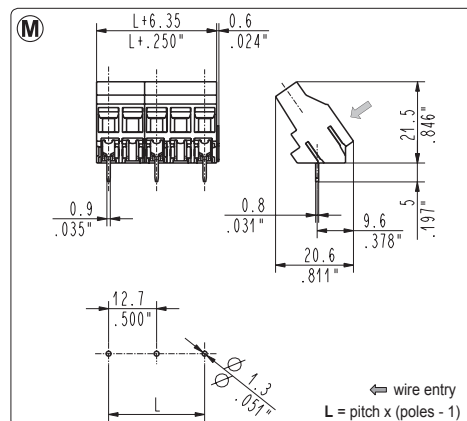
6.35 mm / .250" pitch

Poles	Code	Pcs/pack.	W [kg]*	Pcs/Ind.**	W [kg]*
02	MSP0204S-000E	200	1,19	1000	5,94
03	MSP0304S-000E	200	1,19	1000	5,94

**MSP_04N-000E 35°, modular, low ampere rating**

9.52 mm / .375" pitch

Poles	Code	Pcs/pack.	W [kg]*	Pcs/Ind.**	W [kg]*
02	MSP0204N-000E	150	1,03	750	5,15
03	MSP0304N-000E	100	1,03	500	5,15

**MSP_04U-000E 35°, modular, low ampere rating**

12.7 mm / .500" pitch

Poles	Code	Pcs/pack.	W [kg]*	Pcs/Ind.**	W [kg]*
01	MSP0104U-000E	125	0,89	750	5,37
02	MSP0204U-000E	75	0,81	500	5,37