Technical Data

Rev.

Material data		
Insulation material type		PA 66
Insulation material colours		orange
Insulation material flammability class	UL94	V - 2
Insulation resistance	MOhm	10^3
Conatct base material		Cu-alloy
Contact plating		tin-plated

System characteristic values					
Pitch **P**	mm/inch	3.5/0.138			
Number of rows		1			
Dielectric strength (r.m.s withstand voltage)	kV	>2.0			
Through resistance (typical)	mOhm	1.6			
Operating temperature range	°C	-55°...+100°			1)
Degree of protection acc. to VDE 0106		finger safe			
Degree of protection acc. to DIN EN 60529		IP20			
Conductor connection method		clamping yoke			
Screw size		M2			
Screw torque max. acc. to EN 60999	Nm	0.2			
Screw driver type		SDI 0.4x2.5			
Solder pin length **L**	mm/inch	3.2/0.126			
PCB hole diameter **D** (wave soldering)	mm/inch	1.3+0.1/0.051+0.004			2)
PCB hole diameter **D** (reflow soldering)	mm/inch	n.a.			3)
Resistance to soldering heat acc. to DIN IEC 60512-6	°C/sec	260/10			4)
Resistance to soldering heat acc. to EN 61760-1	°C/sec	n.a.			5)
Solderability classification acc. to EN 61760-1		n.a.			
Solder connection type		wave soldering			
Solder pin diameter **d** (max.)	mm/inch	1.22/0.048			

Application notes		
Coding possibility	yes/no	no
Joinable without loss of pitch	yes/no	no
Manual assembly of modules	yes/no	yes
Max. number of poles	n	24

Conductor		
Clamping range	mm^2	0.08...1.5
"e" solid H05(07) V-U	mm^2	0.08...1.5
"f" flexible H05(07) V-K	mm^2	0.08...1.5
"f" with ferrule acc. to DIN 46228/1	mm^2	n.a.
... with plastic collar acc. to DIN 46228/4	mm^2	n.a.
Conductor insulation stripping length	mm/inch	7/0.276
Conductor insulation diameter max.	mm/inch	n.a.
Two wire clamping range	mm^2	0.5...0.75
Gauge to EN 60999 (a x b ; Ø)	mm	2.4x1.5

IEC 664-1 / VDE0110 (4.97) rated data					
Rated cross section acc. to EN 60999	mm^2	1.5			
Rated current @ 20°C ambient	A	17			6)
Rated current @ 40°C ambient	A	14.5			6)
Overvoltage category / Pollution degree		**III/3**	**III/2**	**II/2**	
Rated voltage	V	160	160	320	
Rated impulse voltage	kV	2.5	2.5	2.5	

UL 1059 rated data — File No.: E60693		**B**	**C**	**D**
Rated voltage		150	---	300
Rated current		10	---	10
AWG wire range (field wiring / factory wiring)		28...14		

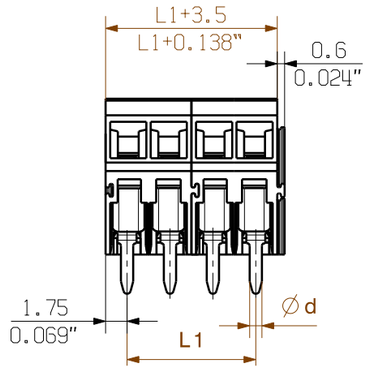
CSA C22.2 rated data — File No.: LR12400		**B**	**C**	**D**
Rated voltage		150	---	300
Rated current		10	---	10
AWG wire range (field wiring / factory wiring)		28...14		

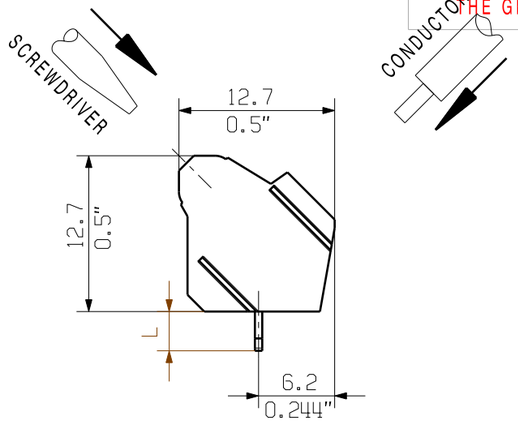
Packaging	carton
Downloads	www.weidmueller.de

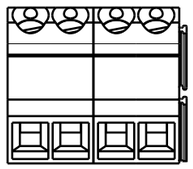
1) Sum of ambient temperature and temperature rise
2) Recommendation for manual assembly
3) Recommendation for automatic assembly
4) Recommendation for wave soldering
5) Recommendation for reflow soldering
6) Referred to rated cross section and minimum pole number

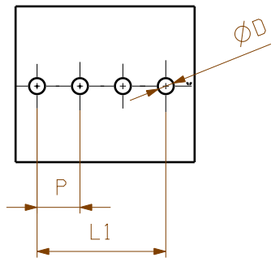
n.a. = not applicable

Subject to technical changes









n	L1 [mm]	L1 [Inch]
24	80,50	3,169
23	77,00	3,031
22	73,50	2,894
21	70,00	2,756
20	66,50	2,618
19	63,00	2,480
18	59,50	2,343
17	56,00	2,205
16	52,50	2,067
15	49,00	1,929
14	45,50	1,791
13	42,00	1,654
12	38,50	1,516
11	35,00	1,378
10	31,50	1,240
9	28,00	1,102
8	24,50	0,965
7	21,00	0,827
6	17,50	0,689
5	14,00	0,551
4	10,50	0,413
3	7,00	0,276
2	3,50	0,138

RoHS COMPLIANT

METRIC TOLERANCES
X. = ±0.3
X.X = ±0.1
X.XX = ±0.05

39842/5
17.03.08 HELIS_MA 00
MODIFICATION

CAT.NO.: .

Weidmüller

C 25475 06
DRAWING NO. ISSUE NO.
SHEET 02 OF 03 SHEETS

	DATE	NAME
DRAWN	17.03.2008	HELIS_MA
RESPONSIBLE		KRUG_M
CHECKED	20.03.2008	HECKERT_M
APPROVED		HECKERT_M

SCALE: 5/1
SUPERSEDES: .

LM3.5/../135°
LEITERPLATTENKLEMME
PCB TERMINAL

PRODUCT FILE: LM 3.5/135 7196