

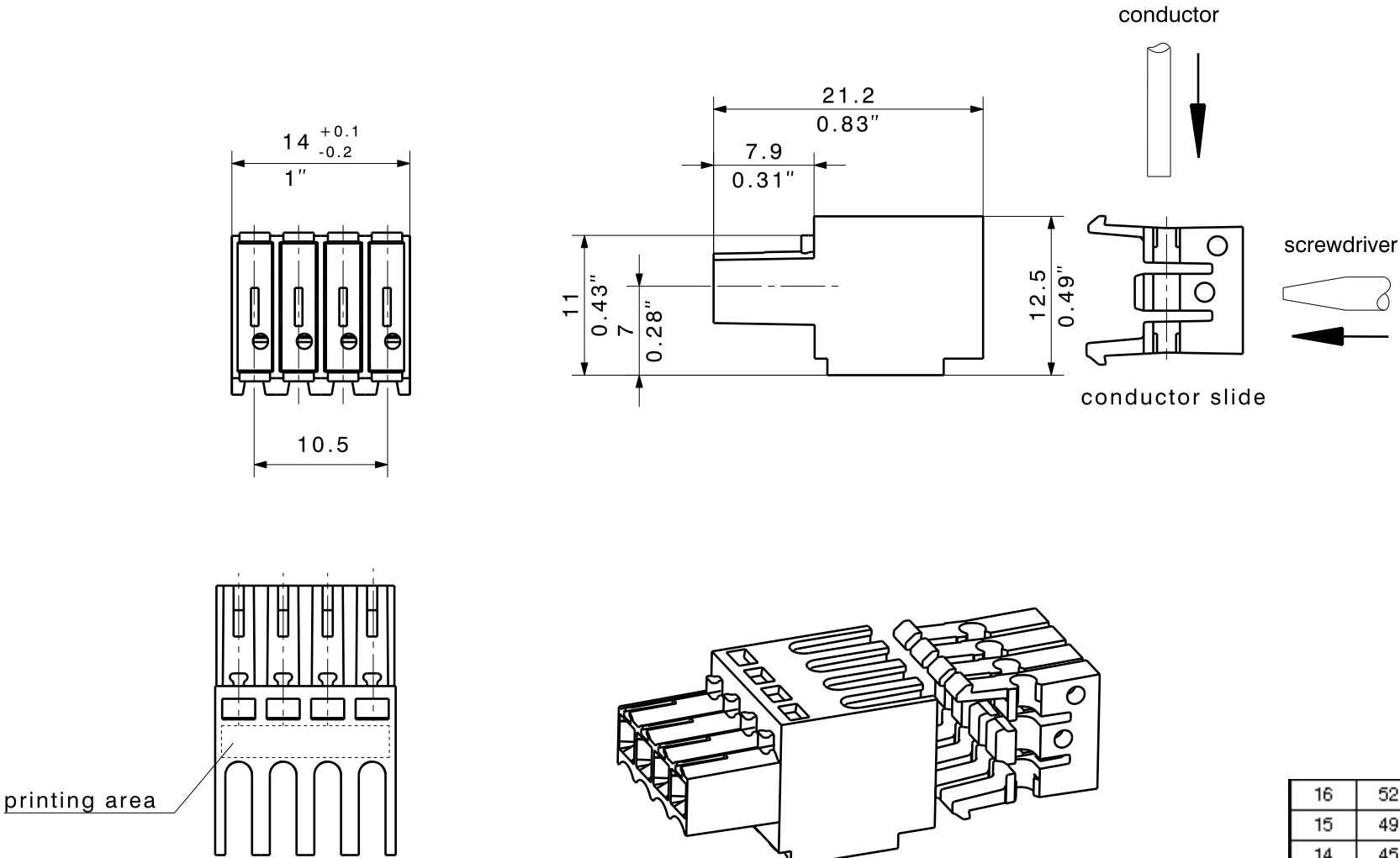
Technical Data

Rev.		
Material data		
Insulation material type		PBT
Insulation material colours		orange
Insulation material flammability class	UL94	V-0
Insulation resistance	MOhm	>10 ⁵
Contact base material		Cu-alloy
Contact plating		tin plated
System characteristic values		
	with counterpart	
Pitch P	mm/inch	3.5/0.138
Number of rows		1
Dielectric strength (r.m.s withstand voltage)	kV	>1.39
Mechanical operating cycles	acc. to IEC 512	>50
Plug in force (max.)	N/pole	10 1)
Pull out force (max.)	N/pole	10 1)
Through resistance (typical)	mOhm	<5,0
Operating temperature range	°C	-20... +80 2)
Degree of protection acc. to VDE 0106 (plugged/unplugged)		finger safe/back of hands
Degree of protection acc. to DIN EN 60529 (plugged/unplugged)		IP20/IP10
Conductor connection method		IDC connection
Screw size		n.a.
Screw torque max. acc. to EN 60999	Nm	n.a.
Screw driver type		0.4 x 2.5
Application notes		
Coding possibility	yes/no	yes (accessory)
Joinable without loss of pitch	yes/no	yes
Manual assembly of modules	yes/no	no
Max. number of poles	n	12
Conductor		
Clamping range	mm ²	0.35 ... 0.5
"e" solid H05(07) V-U	mm ²	0.5
"f" flexible H05(07) V-K	mm ²	0.5
"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	n.a.
Conductor insulation diameter max.	mm/inch	2.1
Two wire clamping range	mm ²	n.a.
Gauge to EN 60999 (a x b ; Ø)	mm	n.a.
IEC 664-1 / VDE0110 (4.97) rated data		
Rated cross section acc. to EN 60999	mm ²	0.5
Rated current @ 20°C ambient (together with)	A	6 (SL 3.5) 3)
Rated current @ 40°C ambient (together with)	A	6 (SL 3.5) 3)
Overvoltage category / Pollution degree		
	III/3	III/2
Rated voltage	V	160 250 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL 1059 rated data		
	File No.: E60693	B C D
Rated voltage	V	300
Rated current	A	7
AWG wire range (field wiring / factory wiring)		22 ... 20
CSA C22.2 rated data		
	File No.: LR12400	B C D
Rated voltage	V	300
Rated current	A	7
AWG wire range (field wiring / factory wiring)		22 ... 20
Packaging		card box
Downloads		www.weidmueller.de

- 1) Without locking latches
- 2) Sum of ambient temperature and temperature rise
- 3) Referred to rated cross section and minimum pole number

n.a. = not applicable

Subject to technical changes



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
n	L1 [mm]	L1 [inch]

shown: BLIDCB 3.5/4

For the mounting of PCBs, it should be noted that the rated data stated here relates only to the PCB components alone.
The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to IEC 664 / VDE 0110.
The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.

Weidmüller PCB components are tested to the DIN EN 61984 standard, and are valid for its field of application.
Provided that the components are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

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

③ :
② :
① :

MODIFICATION

METRIC/INCH DIMENSIONS

SCALE: 2:1

SUPERSEDES: .

SUPERSEDED BY: .

DRAWN

RESPONSIBLE

CHECKED

APPROVED

DATE

17.12.02

17.12.02

25.09.03

26.09.03

NAME

Lux

Lux

Phillips

Endres

PRODUCT FILE: BLIDCB 3.5

Customer Drawing

Weidmüller

C 27649

DRAWING NO.

SHEET: 1 OF 2 SHEETS

0

ISSUE NO.

BLIDCB 3.5/2...12

Socket Block