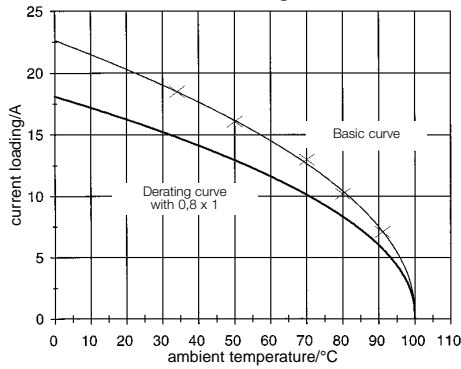
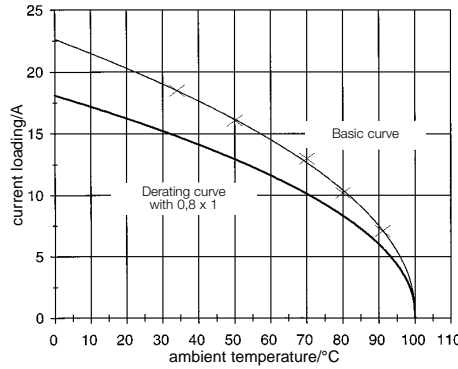


P.C.B. Connectors, imperial pitch
BLZ 5.08/SL 5.08 and BLZ 7.62/SL 7.62

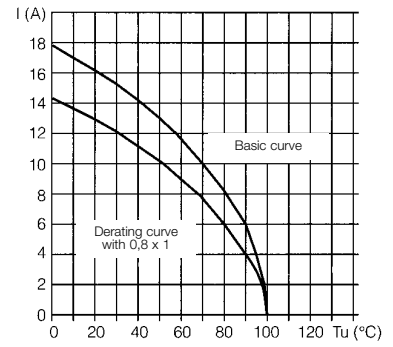
Technical data / derating curves



SLS 5.08/2 with BLZ 5.08/2
Conductor: H07V-K 2,5 mm²



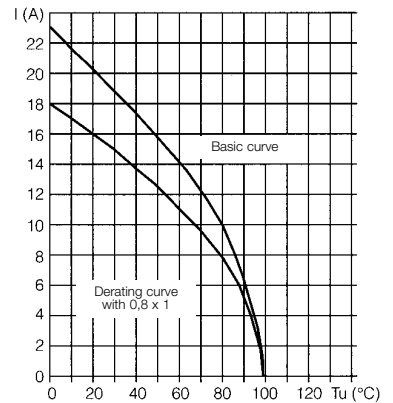
SLS 5.08/24 with BLZ 5.08/24
Conductor: H07V-K 2,5 mm²



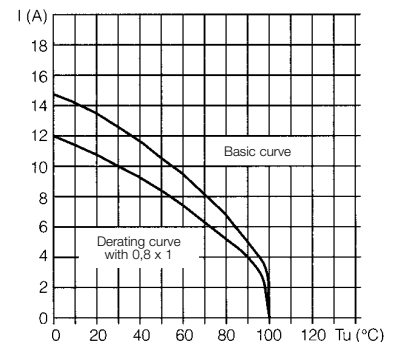
BLZ 5.08/24 with SL 5.08/24/90,
Conductor H07V-K 2,5 mm²

Technical data

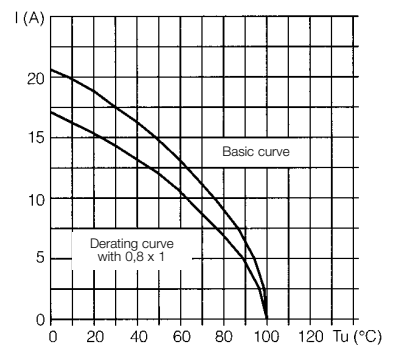
Material data	BLZ 5.08/SL 5.08/SLS 5.08	BLZ 7.62/SL 7.62	BLZ 5.08/90, 270
Insulation	PBT	PBT	PBT
Colour	orange ¹⁾	orange ¹⁾	orange ¹⁾
Temperature range	-20...+100 °C	-20...+100 °C	-20...+100 °C
Flammability class	UL 94 (V0)	UL 94 (V0)	UL 94 (V0)
Basic contact material	CuSn	CuSn	CuSn
contact plating	tin-plated ²⁾	tin-plated ²⁾	tin-plated ²⁾
Characteristic system value			
Pitch	5,08 mm	7,62 mm	5,08 mm
Clearance	≥ 2,5 mm	≥ 4,5 mm	≥ 2,5 mm
Creepage path	≥ 4,0 mm	≥ 8,0 mm	≥ 4,0 mm
Polarisation connection	Screw connection/solder conn	Screw connection/solder conn	Screw connection
Solder pin length	3,2/4,5 mm	3,2/4,5 mm	
Mounting hole	ø 1,3 + 0,1 mm	ø 1,3 + 0,1 mm	
Insulation stripping length	7 mm	7 mm	7 mm
Clamping screw	M 2,5	M 2,5	M 2,5
Insulation resistance	≥ 10 MΩ	≥ 10 MΩ	≥ 10 MΩ
Through resistance	≤ 5,0 mΩ	≤ 5,0 mΩ	≤ 5,0 mΩ
Connectable conductors			
Max. clamping range	0,08...2,5 mm ²	0,08...2,5 mm ²	0,08...2,5 mm ²
solid H05(07)V-U	0,5...2,5 mm ²	0,5...2,5 mm ²	0,5...2,5 mm ²
flexible H05(07)V-K	0,5...2,5 mm ²	0,5...2,5 mm ²	0,5...2,5 mm ²
with ferrules			
to DIN 46228/1	0,5...2,5 mm ²	0,5...2,5 mm ²	0,5...2,5 mm ²
with plastic collar			
to DIN 46228/4	0,5...1,5 mm ²	0,5...1,5 mm ²	0,5...1,5 mm ²
AWG-conductor	28...14	28...14	28...14
Gauge pin to			
EN 60947-1/10.91 Dimension	A3	A3	A3
VDE rated data			
Rated cross-section	2,5 mm ²	2,5 mm ²	2,5 mm ²
Rated current	12 A ³⁾	15 A ³⁾	12 A ³⁾
Current-carrying capacity	see derating curves ⁴⁾	see derating curves ⁴⁾	see derating curves ⁴⁾
Reference voltage	250 V~ / 300 V~, group C	500 V~ / 600 V~, group C	250 V~ / 300 V~, group C
(to VDE 0110b 2.79)	380 V~ / 450 V~, group B	750 V~ / 900 V~, group B	380 V~ / 450 V~, group B
Test voltage	2,0 kV~	3,0 kV~	2,0 kV~
Rated torque	0,5 Nm	0,5 Nm	0,5 Nm
UL rated data			
Conductor sizes	22...12	22...12	22...12
Rated current	10 A	10 A	10 A
Rated voltage, industrial	300 V~	300 V~	300 V~
Tightening torque			
Screwdriver Type SD/SD ⁵⁾			
Approvals	List on request	List on request	List on request



BLZ 5.08/2 with SL 5.08/2/90,
Conductor H07V-K 2,5 mm²



BLZ 5.08/16 with SL 5.08/16/135B,
Conductor H07V-K 1,5 mm²



BLZ 7.62/12 with SL 7.62/12/90,
Conductor H07V-K 2,5 mm²

1) Other colours on request
 2) Gold-plated on request
 3) Based on 20°C ambient temperature, rated cross-section and maximum pole number
 4) Additional derating curves on request
 5) See section 9/tools for other versions

P.C.B. Connectors, imperial pitch

BLZ 5.08/SL 5.08

Technical data/Derating curves

Technical data

Material data	BLT 5.08/SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL
Insulation	PBT	PBT	PBT
Colour	orange ¹⁾	orange ¹⁾	orange ¹⁾
Temperature range	-20...+100 °C	-20...+100 °C	-20...+100 °C
Flammability class	UL 94 (V0)	UL 94 (V0)	UL 94 (V0)
Basic contact material	CuSn	CuSn ³⁾	CuSn
contact plating	tin-plated ²⁾	tin-plated ²⁾³⁾	tin-plated ²⁾

Characteristic system value

	BLT 5.08/SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL
Pitch	5,08 mm	5,08 mm	5,08 mm
Clearance	≥ 2,5 mm	≥ 2,5 mm	≥ 2,5 mm
Creepage path	≥ 4,0 mm	≥ 4,0 mm	≥ 4,0 mm
Polarisation connection	Screw connection	Crimp conn./solder connect.	Solder-conn./tab connection
Solder pin length		3,2/4,5 mm	
Mounting hole		1,3 +0,1	
Insulation stripping length	13 mm	4 mm ³⁾ / -	
Clamping screw	M 2,5		
Insulation resistance	≥ 10 ⁵ MΩ	≥ 10 ⁵ MΩ	≥ 10 ⁵ MΩ
Through resistance	≤ 5,0 mΩ	≤ 5,0 mΩ	≤ 7,5 mΩ

Connectable conductors

	BLT 5.08/SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL
Max. clamping range	0,08...2,5 mm ²	0,22...2,5 mm ²⁾³⁾ / -	0,13...2,5 mm ^{2 6)}
solid H05(07)V-U	0,5...2,5 mm ²		0,13...2,5 mm ^{2 6)}
flexible H05(07)V-K	0,5...2,5 mm ²	0,22...2,5 mm ²⁾³⁾ / -	0,13...2,5 mm ^{2 6)}
with ferrules			
to DIN 46228/1	0,5...1,5 mm ²		
with plastic collar			
to DIN 46228/4	0,5...1,5 mm ²		
AWG-conductor	28...14	22...14 ³⁾ / -	26...14 ⁶⁾
Gauge pin to			
EN 60947-1/10.91 Dimension	A1		

VDE rated data

	BLT 5.08/SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL
Rated cross-section	1,5 mm ²	2,5 mm ^{2) / -}	1,0 mm ^{2 6)}
Rated current	10 A ⁴⁾	14 A ³⁾⁴⁾ / 10 ⁴⁾	8 A (Löt), 12 A (tab. conn.) ⁶⁾
Current-carrying capacity	see Derating curves ⁵⁾	see Derating curves ^{5) / 5)}	see Derating curves ⁵⁾
Reference voltage	250 V~ / 300 V~, group C	250 V~ / 300 V~, group C	250 V~ / 300 V~, group C
(to VDE 0110b 2.79)	380 V~ / 450 V~, group B	380 V~ / 450 V~, group B	380 V~ / 450 V~, group B
Test voltage	2,0 kV~	2,0 kV~ / 4,0 kV~	2,0 kV~
Rated torque	0,5 Nm		

UL rated data

	BLT 5.08	SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL
Conductor sizes	22...12	22...12	22...14 / -	
Rated current	10 A	10 A	10 A	10 A
Rated voltage industrial	300 V~	300 V~	300 V~	300 V~

Tightening torque

Screwdriver Type SD/SDI ⁷⁾	BLT 5.08/SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL

Approvals

	BLT 5.08/SLT 5.08	BLC 5.08 / BLL 5.08	SLDF 5.08FL
	List on request	List on request	List on request

1) Other colours on request

2) Gold-plated on request

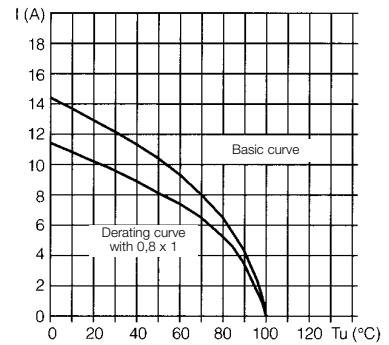
3) Depending on crimp contact used

4) Based on 20°C ambient temperature, rated cross-section and maximum pole number

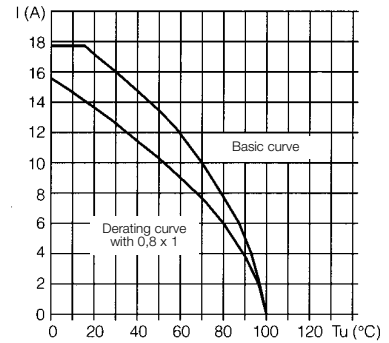
5) Additional derating curves on request

6) Solid and flexible solder connections up to 2.5 mm² with insulation / shrink sleeving or 2.8 mm tab carriers with insulated sleeves acc to DIN IEC 760

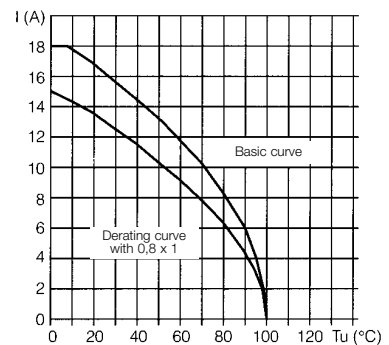
7) See section 9/tools for other versions



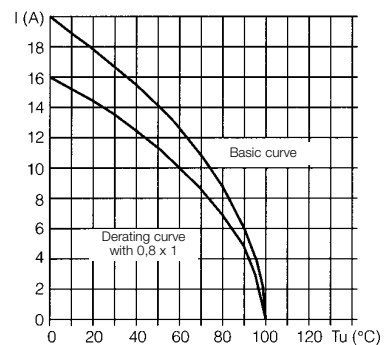
BLT 5.08/20 with SL 5.08/20/90,
Conductor H07V-K 1,5 mm²



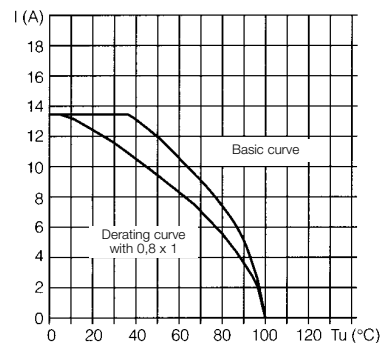
SLT 5.08/10 with BLZ 5.08/10,
Conductor H07V-K 1,5 mm²



BLL 5.08/12/90 with SLT 5.08/12,
Conductor H07V-K 1,5 mm²



BLC 5.08/16R with SL 5.08/16/90,
Conductor H07V-K 2,5 mm²



SLDF 5.08/16FL with BLZ 5.08/16
and 2,8 mm tin-plated sleeve,
Conductor H05V-K 1,0 mm²