



### CSA rating data

Rated voltage, user group D	300 V
Rated (nominal) current, user group D	10 A
AWG conductor, max. (CSA)	14
AWG conductor, min. (CSA)	26

### Connectable conductors

w. plastic collar ferrule, DIN 46228 pt 4, max.	1 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0,2 mm <sup>2</sup>
Wire end ferrule , DIN 46 228/1, min.	0,2 mm <sup>2</sup>
Wire end ferrule , DIN 46 228/1, max.	1,5 mm <sup>2</sup>
Clamping range, min.	0,13 mm <sup>2</sup>
Clamping range, max.	1,5 mm <sup>2</sup>
fine-stranded, min. H05(07) V-U	0,2
fine-stranded, max. H05(07) V-U	1,5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0,2 mm <sup>2</sup>
Solid, max. H05(07) V-U	1,5 mm <sup>2</sup>
AWG, min.	28
AWG, max.	16
O.D. of insulation, max.	2,90 mm

### DIN IEC rating data

Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2,5 kV
Short-time withstand current resistance	3 x 1s with 100 A
Rated current, max. No. pins (Tu=40°C)	8 A
Rated current, min. No. pins (Tu=40°C)	12 A
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2,5 kV
Rated current, min. No. pins (Tu=20°C)	14,5 A
Rated current, max. No. pins (Tu=20°C)	10 A
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2,5 kV

### System parameters

Stripping length	10 mm
No. of rows	1
Electric shock protection to DIN VDE 0470	Safe from finger touch
Volume resistance	5,0 mΩ
Outgoing direction of conductor	180°
Conductor connection system	Tension clamp connection
Pitch	3,50 mm
Type of screwdriver	SD 0.4 x 2.5 - DIN 5264-A
L1 in inch	2,067 inch
L1 in mm	52,50 mm
Pitch in inch	0,138 inch
Number of poles	16

### UL 1059 rating data

AWG conductor, max. (UL 1059)	14
AWG conductor, min. (UL 1059)	26
Rated voltage, user group D	300 V
Rated current (UL 1059)	10 A

### material data

CTI	≥ 200
UL 94 combustibility class	V-0
Contact surface	tinned
Contact base material	Cu alloy
Insulating material group	IIIa
Insulation material	PBT
Colour	orange

### Approvals

Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	250 V

### Approvals

Approvals



### Classifications

ETIM 2.0	NK
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01

### General ordering data

Order No.	1690330000
Short text for material	BLZF 3.5/16 SN OR
EAN	4008190328825

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ1.5 or PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drg. = pitch

### Related products

Order No.	Short text for material	Number of poles
1690190000	BLZF 3.5/2 SN OR	2
1690420000	BLZF 3.5/2 SN SW	2
1690200000	BLZF 3.5/3 SN OR	3
1690430000	BLZF 3.5/3 SN SW	3
1690210000	BLZF 3.5/4 SN OR	4
1690440000	BLZF 3.5/4 SN SW	4
1690220000	BLZF 3.5/5 SN OR	5
1690450000	BLZF 3.5/5 SN SW	5
1690230000	BLZF 3.5/6 SN OR	6
1690460000	BLZF 3.5/6 SN SW	6
1690240000	BLZF 3.5/7 SN OR	7
1690470000	BLZF 3.5/7 SN SW	7
1690250000	BLZF 3.5/8 SN OR	8
1690480000	BLZF 3.5/8 SN SW	8
1690260000	BLZF 3.5/9 SN OR	9
1690490000	BLZF 3.5/9 SN SW	9
1690270000	BLZF 3.5/10 SN OR	10
1690500000	BLZF 3.5/10 SN SW	10
1690280000	BLZF 3.5/11 SN OR	11
1690510000	BLZF 3.5/11 SN SW	11
1690290000	BLZF 3.5/12 SN OR	12
1690520000	BLZF 3.5/12 SN SW	12
1690300000	BLZF 3.5/13 SN OR	13
1690530000	BLZF 3.5/13 SN SW	13
1690310000	BLZF 3.5/14 SN OR	14
1690540000	BLZF 3.5/14 SN SW	14
1690320000	BLZF 3.5/15 SN OR	15
1690550000	BLZF 3.5/15 SN SW	15

1690560000	BLZF 3.5/16 SN SW	16
1690340000	BLZF 3.5/17 SN OR	17
1690570000	BLZF 3.5/17 SN SW	17
1690350000	BLZF 3.5/18 SN OR	18
1690580000	BLZF 3.5/18 SN SW	18
1690360000	BLZF 3.5/19 SN OR	19
1690590000	BLZF 3.5/19 SN SW	19
1690370000	BLZF 3.5/20 SN OR	20
1690600000	BLZF 3.5/20 SN SW	20
1690380000	BLZF 3.5/21 SN OR	21
1690610000	BLZF 3.5/21 SN SW	21
1690390000	BLZF 3.5/22 SN OR	22
1690620000	BLZF 3.5/22 SN SW	22
1690400000	BLZF 3.5/23 SN OR	23
1690630000	BLZF 3.5/23 SN SW	23
1690410000	BLZF 3.5/24 SN OR	24
1690640000	BLZF 3.5/24 SN SW	24