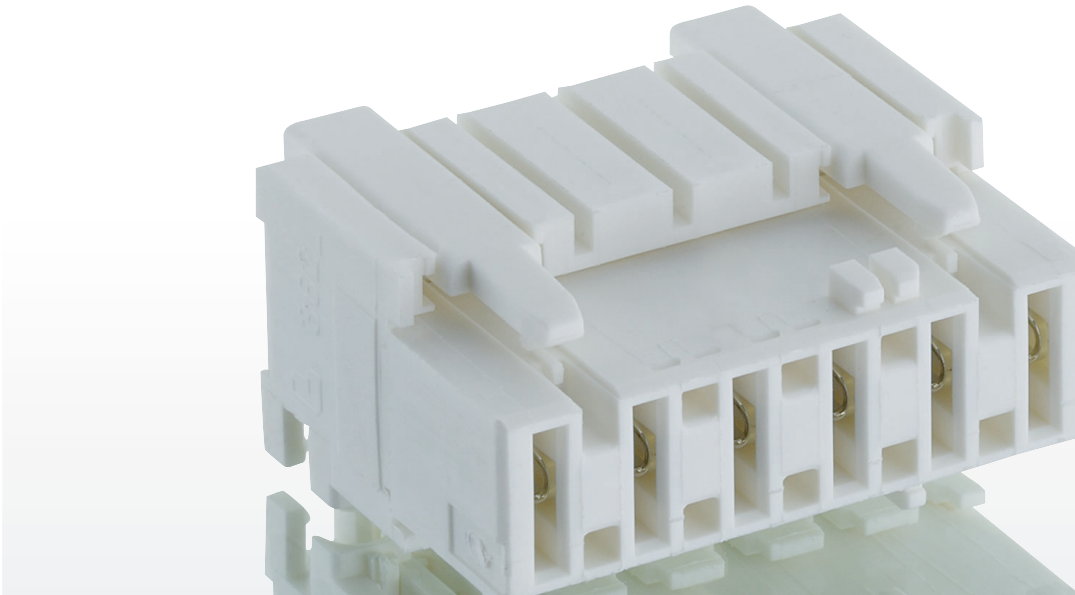




System Overview

RAST 5



Series 36

RAST 5
connectors

pitch 5.0 mm (0.197")

Direct and indirect mating, for cable-to-board and cable-to-cable connections with insulation displacement or screw clamp termination. Keying according to RAST 5 standard avoids mismatching.

For signal and load currents up to 16 A.

Pole number	3623 1–12 3625 1–4 3626 2–12 3627 2–4 3628 8	3625-1 2–4 3628-1 8	2–7	2–12			2–6	2–12 364197 2–3	2x1
Insulating body	362..., PA, V2 according to UL 94 362... M08 PA¹, V2 acc. to UL 94 362... M20 PA, V0acc. to UL 94	PA, V2 according to UL 94	361... PA GF, V2 acc. to UL 94 3611 M08 PA GF¹, V0 acc. to UL 94	363... PA, V2 according to UL 94 363... M08 PA¹, V2 according to UL 94			361... PA GF, V2 acc. to UL 94 361... M08 PA GF¹, V0 acc. to UL 94		
Contact spring	3623, 3626 CuSn, tin-plated 3625, 3627, 3628 CuSn, silver-plated	Cu alloy, silver-plated	CuSn, tin-plated						364..
Connectable wire section ²	3623, 3626 0.22–1.0 mm² 3625, 3627, 3628 0.75–1.5 mm²	0.75–1.0 mm²	2.5 mm²	0.34–0.82 mm²			2.5 mm²		
Rated current	3623, 3626 10 A/0.75 mm² 3623 S01, 3626 S01 5 A/0.38 mm² 3625, 3627 16 A/1.50 mm² 3625, 3627, 3628 12 A/1.0 mm² at T_{amb} 70 °C	10,5 A at T _{amb} 120 °C	10 A at T _{amb} T _U 70 °C	3633 6 A/0,75 mm² at T_{amb} 70 °C 3633 S01 4 A/0,38 mm² at T_{amb} 70 °C	3636 6 A/0,75 mm² at T_{amb} 70 °C 3636 S01 4 A/0,38 mm² at T_{amb} 70 °C	6 A bei T _{amb} °C			
Rated voltage	250 V								

¹ glow-wire resistant (GWT 750 °C), see specification at www.lumberg.com

² range of values of conductors approved by laboratory tests; covering various geometries of insulation displacement terminations

Series 37

RAST 7.5 Power™ connectors

pitch 7.5 mm (0.295")

Indirect mating, for cable-to-board-connections, insulation displacement technology. Keying following RAST 5 standard avoids mis-mating.

For load currents up to 25 A.

Pole number

2–4

Insulating body

PA¹, V2 according to UL 94

Contact spring

CuNiSi, silver-plated

Connectable wire section²

2.5 mm²

Rated current

25 A at T_{amb} 85 °C

Rated voltage

500 V AC

630 V AC



3723

RAST 7.5 Power™ connector for indirect mating, insulation displacement technology

with exterior locking

mating with tab header 3741



3741

RAST 7.5 Power™ tab header

upright, with positioning spigot

mating with connector 3723

Series 97

Tools and harnessing machines

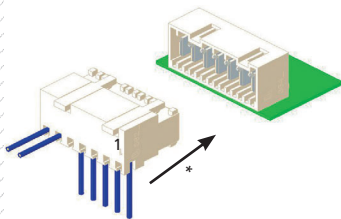
Efficient Harnessing

From manual tongs over hand presses, various semiautomatic harnessing machines to our premium products, our fully automatic harnessing machines from our VARICON™ line: We offer from one source all options for efficient termination of cables with our connectors – no matter if low, middle or high-volume production.



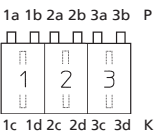
KEYING of RAST 5 connectors according to RAST 5 standard

Indirect connectors

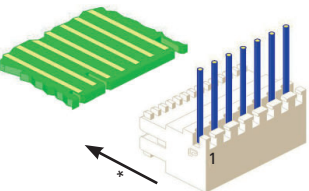


360... · 361... · 362... · 3633 · 364... · 367... · 368...

Indirect connectors are keyed by means of keying noses (K). The matching keying windows of the tab header are open (same with guide frame in combination with direct connectors).

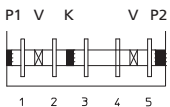


Direct connectors



3636

Direct connectors are keyed by keying ribs (K), closed sides (positioning, P) and locks (V). The printed circuit board has matching reliefs.

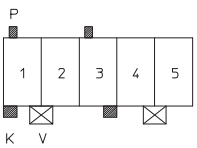


All drawings in view of mating direction (*), from female to male connector.

A selection of proposed keyings can be found on the Internet at www.lumberg.com

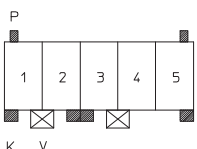
Examples:

3623 05 K30



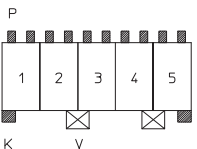
keying: P 1a 3a, K 1c 3d, V 1/2 4/5

3623 05 K31



keying: P 1a 5b, K 1c 2d 3c 5d, V 1/2 3/4

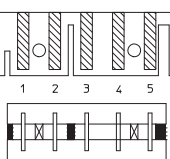
3623 05 K42



keying: P 1ab 2ab 3ab 4ab 5ab, K 1c 5d, V 2/3 4/5

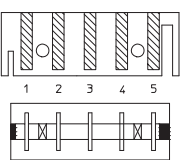
Examples:

3636 05 K02



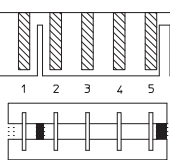
keying: P1 P2 K2/3 V1/2 V4/5

3636 05 K04



keying: P1 P2 V1/2 V4/5

3636 05 K06



keying: P2 K1/2

¹ glow-wire resistant (GWT 750 °C), see specification at www.lumberg.com

² range of values of conductors approved by laboratory tests; covering various geometries of insulation displacement terminations

www.lumberg.com · info@lumberg.com