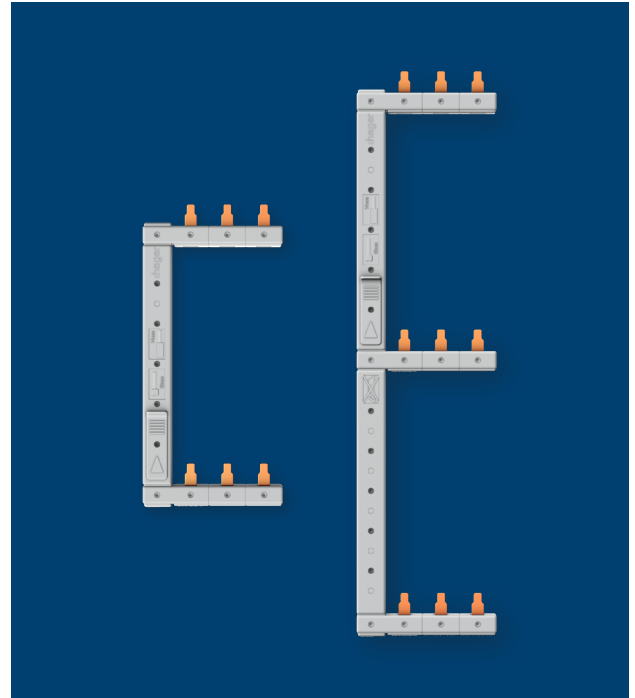### KCL363L and KCL368L
Product Update and Compatibility Notice

The **KCL36*L** Vertical Busbar range are cable replacement devices.

The KCL36*L is intended for **left-hand side install only**, fed from the bottom cage of the main switch. Installation on the right-hand side of the enclosure is incorrect and will unnecessarily apply (series) load to the top row of busbar.

For the KCL36*L range to be installed correctly, the space between the DIN rows / devices needs to be 125mm.

Do not stack, cut or modify.

Compatibility

01 Suitable for our two, three and four** row Hager golf enclosures

**Both KCL36*L vertical busbars are not fully compatible with golf flush 'VF412xT' and 'VF418xT' – as there is a moulded escutcheon fixation point just below the second row blocking the KCL to be pushed all the way to the left. (See Fig 1 & 2)

It is still possible to use but installers will lose the first pole on the left on all affected rows. (See Fig 3 & 4)

VF412xT

Fig 1

VF418xT

Fig 2

02 Suitable for Hager vector '12 pole wide' enclosures only.
Not suitable for 18 Pole Vector enclosures.

03 Not suitable for Hager enclosures with 150mm spacing between DIN rows / devices such as VT or Vega D.

04 Only recommended for use with Hager enclosures, protection devices and KDN380A/G busbars.
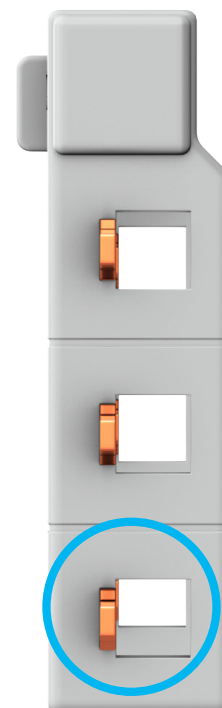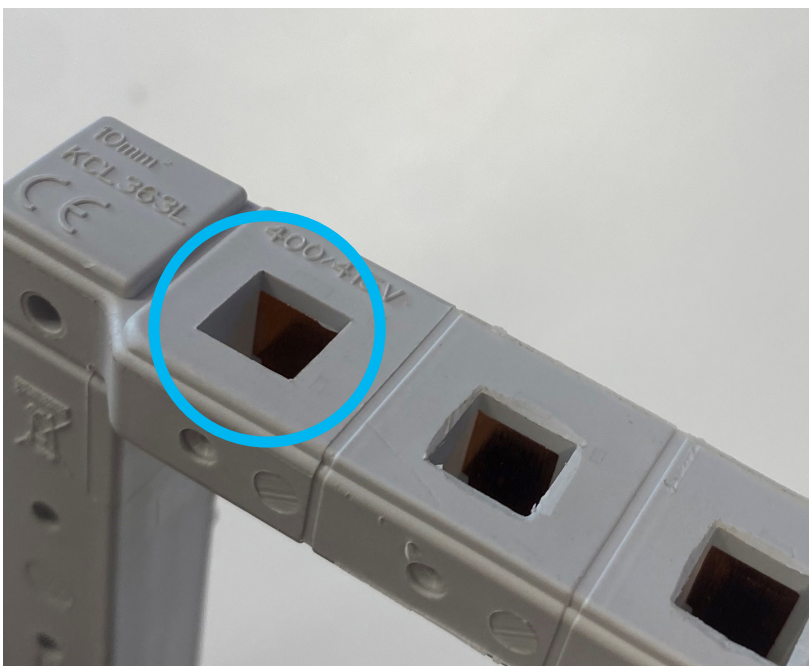
Fig 3

Fig 4

KCL36*L provides the capacity to co-terminate cables up to 14^{2}mm (18^{2}mm with ferrule) using the same screw cage via passthrough holes.

In PRACTICE max 10^{2}mm for Australian style Twisted Copper cable.

Cable Cross Section Pass Through
10mm^2 flexible

Limitations

For the Cage and Busbar pass through to work, there must be no neutral blanking plate on either device connected via the KCL36*L.

For example, 2x ADA9xxT 2P RCBOs are incompatible due to the RH neutral blanking plate, but ADM4x RCBOs are compatible, as the neutral blanking plate is on the RH side / fourth PP.

The device works best for interconnecting two devices only (e.g. MSN363R Top row and ADM440T Bottom row.)

FYI It can be very difficult to access the bottom DIN clip to remove individual devices without removing the KDN busbar and the KCL36*L.

FAQ

Can I use this in enclosures other than Golf or Vector 12P?
No – The space between DIN rows needs to be 125mm for the KCL363L to align, check the tech info in the relevant catalogue page for DIN row spacing information.

Can I flip / mount the KCL36*L on the right-hand side of the enclosure?
No – KCL36*L is offset and designed for use only on the Left-hand side of the enclosure.

Can I use the KCL36*L in both flush and surface golf enclosures?
A) Yes - KCL36*L are suitable for both golf Surface VSxxxPT and VF Flush VFxxxPT, however it is **not fully compatible** for golf flush VF412PT and VF418PT as there is a fixation point in the second row blocking the left most pole.

Is there a Bulk / Dispenser contract / Project price?
A) No – not at this time, but it is something I will assess again after receiving market feedback.
B) For special volume or project pricing please co-ordinate with state manager and Ken.

Can I use a larger diameter cable or Aluminium conductors?
A) No – be aware that the brand and type of cable as well as termination style may affect the compatibility.
B) The optional KF83D connector accessory allows for solid Aluminium conductors up to 35^2mm or stranded Copper up to 35^2mm**.**

What phase identification – does the busbar need to be coloured – i.e. Red, Blue, White?
A) Phase rotation is mirrored from top to bottom row.
B) No, there is no requirement for colouring the phases on busbar, as per existing KDN380* busbar.

Compatibility Chart

Two, three and four rows only.

Ref.	Description	KCL363L	KCL368L
Vector enclosures			
VE212H	vector, IP65, 24M	✓	✗
VE312H	vector, IP65, 36M	✓	✓
VE412H	vector, IP65, 48M	✓	✓
golf enclosures (flush mount)			
VF212PT	golf flush, 24M, white door	✓	✗
VF212TT	golf flush, 24M, transparent door	✓	✗
VF218PT	golf flush, 36M, white door	✓	✗
VF218TT	golf flush, 36M, transparent door	✓	✗
VF312PT	golf flush, 36M, white door	✓	✓
VF312TT	golf flush, 36M, transparent door	✓	✓
VF318PT	golf flush, 54M, white door	✓	✓
VF318TT	golf flush, 54M, transparent door	✓	✓
VF412PT	golf flush, 48M, white door	✗*	✗
VF412TT	golf flush, 48M, transparent door	✗*	✗
VF418PT	golf flush, 72M, white door	✗*	✗
VF418TT	golf flush, 72M, transparent door	✗*	✗

✱ Partial compability. Can be utilised between the 3rd and 4th rows but not ideal.

Ref.	Description	KCL363L	KCL368L
golf enclosures (surface mount)			
VS212PT	golf surface, 24M, white door	✓	✗
VS212TT	golf surface, 24M, transparent door	✓	✗
VS218PT	golf surface, 36M, white door	✓	✗
VS218TT	golf surface, 36M, transparent door	✓	✗
VS312PT	golf surface, 36M, white door	✓	✓
VS312TT	golf surface, 36M, transparent door	✓	✓
VS318PT	golf surface, 54M, white door	✓	✓
VS318TT	golf surface, 54M, transparent door	✓	✓
VS412PT	golf surface, 48M, white door	✓	✓
VS412TT	golf surface, 48M, transparent door	✓	✓
VS418PT	golf surface, 72M, white door	✓	✓
VS418TT	golf surface, 72M, transparent door	✓	✓

Compatibility Chart

Products	KCL363L	KCL368L
VT metal enclosures	✖	✖
Vega D enclosures	✖	✖
invicta panelboards	✖	✖
performa panelboards	✖	✖
Group Metering Enclosures	✖	✖
quadro M	✖	✖
quadro evo	✖	✖