



## TECHNICAL DATA SHEET

Carroll Australasia is the authorised distributor for the Harnessflex products in Australia and New Zealand (ANZ). We are a specialist stockist of the Harnessflex specialised range of flexible conduit systems, fittings, backshells and more.

# HARNESSFLEX EVO™ HV CONNECTOR INTERFACES

## BACKSHELL TO SUIT TE HVA280-3 HIGH VOLTAGE CONNECTORS

### Harnessflex

#### Features & Benefits:

- Supports connector Ingress Protection (IP) performance
- Isolates and reduces cable movement
- Provides cable-connector interface with high mechanical protection
- Provides connector to cable strain relief
- High pull-off strength - conduit corrugations sit tightly into joiner junctions.
- Enhanced abrasion and vibration protection
- Compact, external fit for unrestricted bore and quick assembly.
- Tamperproof, integrated clip system as standard
- Safe for use with 1000V AC and 1500V DC

#### Applications:

- For use with high voltage connectors
- Electric ancillaries
- Power steering
- Air conditioning
- Heaters
- DC/DC Convertors
- Onboard chargers
- High voltage battery packs
- Hybrid systems
- Hydrogen fuel cell vehicles
- Static power systems

#### Temperature range:

- Static applications: -40° C to +200° C
- Dynamic applications: -40° C to +160° C



#### UV Resistance:

- High

#### Material/Materials/Finishes:

- Polyamide (Nylon) PA46
- Orange (RAL2008)

#### Conforms to:

- CE marked to Low Voltage Directive 2014/35/EU
- RoHS Compliant to 2011/65/EU
- Conforms with end of life vehicle directive (ELV) EU200/53/EC

#### Fire performance:

- Low Smoke
- Halogen free
- Self extinguishing
- UL94 V2 rating

#### Degree of mechanical protection:

- High

#### Chemical resistance:

- See datasheet TDS000081

Carroll Australasia Pty Ltd reserves the right to change specifications without notice.

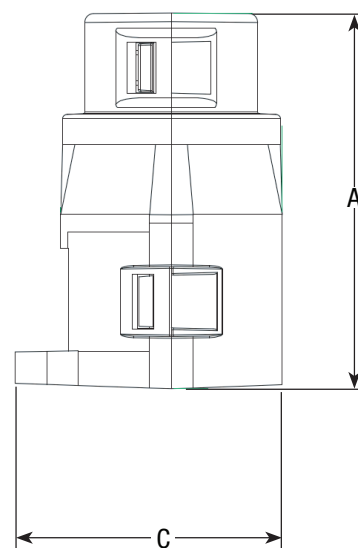
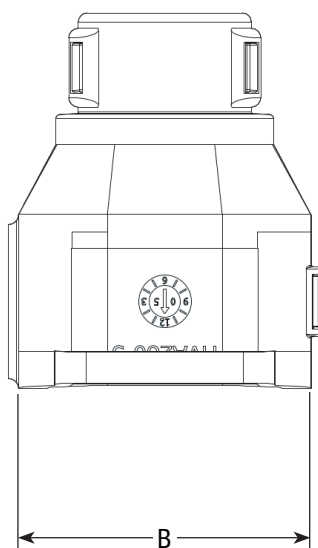


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### EVO™ HV CONNECTOR INTERFACES – PART NUMBERS AND DIMENSIONS



| PART NO.      | CONDUIT SIZE |      | DIMENSIONS (MM)  |      |      |      |
|---------------|--------------|------|------------------|------|------|------|
|               | (NC)         | (NW) | CONNECTOR SERIES | A    | B    | C    |
| CI16-HVA280-3 | 16           | 13   | TE HVA280        | 42.9 | 33.4 | 30.6 |



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