

TK-PS Polystyrene Enclosures

TK-PC Polycarbonate Enclosures

ITC's TK-PS enclosures, made of polystyrene, and type TK-PC enclosures, made of fiberglass-reinforced polycarbonate, can be used for all applications where electrical components must be protected against corrosion, liquids, dust, or undue access.

These enclosures are available in 14 convenient formats, with up to 6 different cover heights for certain models, with either solid grey or transparent polycarbonate covers.

Side walls can be with metric knock-outs ('m' suffix in model), or grey/smooth ('o' suffix in model).

Features and specifications:

- Can be combined together by means of assembling "Combi-sets", to form multiple enclosures still with IP66 ingress protection
- Mounting of TK enclosures is achieved in three different ways:
 - using screws under the cover screws: no hole in the main compartment of the enclosure is needed
 - using the embossed cut-outs in the base of the enclosure (sealing caps provided with each enclosure)
 - using optional plastic external brackets
- Accessories include hinges, partition walls, mounting plates, DIN rails, glands and adapters
- **Custom service:** custom attachment points with ultrasound welding, EMC coatings, special colours
- **Operating Temperature:** PC: -35 to 60°C, max 80°C
PS: -25 to 35°C, max 40°C
- **Ingress Protection:** Up to IP66 (EN 60529; VDE 0470-1)
- **NEMA rating:** 4X, 12/12K
- **PS Impact Resistance:** IK07
- **PC Impact Resistance:** IK08
- **Material TK-PS:** Polystyrene
- **Material TK-PC:** Polycarbonate (UL 94 V-2)
- **Sealing material:** CFC-free Polyurethane
- **Approvals TK-PC:** cULus (E254144), VDE



TK-PS General Purpose Enclosures with solid grey cover (Order by Part No.)

| External dimensions (mm) | | | Int'l D* (mm) | Smooth side walls | | Metric knock-outs on walls | | External Dimensions (in) | | | Int'l D* (in) |
|--------------------------|-----|-----|---------------|-------------------|--------------|----------------------------|--------------|--------------------------|-------|------|---------------|
| H | W | D | | Part No. | Model | Part No. | Model | H | W | D | |
| 52 | 50 | 35 | 24.5 | — | | SP105-455 | PS55-4-m | 2.05 | 1.97 | 1.38 | 0.96 |
| 65 | 65 | 57 | 45 | SP110-401 | PS77-6-o | SP105-401 | PS77-6-m | 2.56 | 2.56 | 2.24 | 1.77 |
| 65 | 65 | 81 | 69 | SP110-901 | PS77-8-o | SP105-901 | PS77-8-m | 2.56 | 2.56 | 3.19 | 2.72 |
| 94 | 65 | 57 | 45 | SP110-402 | PS97-6-o | SP105-402 | PS97-6-m | 3.70 | 2.56 | 2.24 | 1.77 |
| 94 | 65 | 81 | 69 | SP110-902 | PS97-8-o | SP105-902 | PS97-8-m | 3.70 | 2.56 | 3.19 | 2.72 |
| 94 | 94 | 57 | 45 | SP110-403 | PS99-6-o | SP105-403 | PS99-6-m | 3.70 | 3.70 | 2.24 | 1.77 |
| 94 | 94 | 81 | 69 | SP110-903 | PS99-8-o | SP105-903 | PS99-8-m | 3.70 | 3.70 | 3.19 | 2.72 |
| 110 | 110 | 66 | 54 | SP110-404 | PS1111-7-o | SP105-404 | PS1111-7-m | 4.33 | 4.33 | 2.60 | 2.13 |
| 110 | 110 | 90 | 78 | SP110-904 | PS1111-9-o | SP105-904 | PS1111-9-m | 4.33 | 4.33 | 3.54 | 3.07 |
| 130 | 94 | 57 | 45 | SP110-409 | PS1309-6-o | SP105-409 | PS1309-6-m | 5.12 | 3.70 | 2.24 | 1.77 |
| 130 | 94 | 81 | 69 | SP110-909 | PS1309-8-o | SP105-909 | PS1309-8-m | 5.12 | 3.70 | 3.19 | 2.72 |
| 130 | 130 | 75 | 63 | SP110-405 | PS1313-7-o | SP105-405 | PS1313-7-m | 5.12 | 5.12 | 2.95 | 2.48 |
| 130 | 130 | 99 | 87 | SP110-905 | PS1313-10-o | SP105-905 | PS1313-10-m | 5.12 | 5.12 | 3.90 | 3.43 |
| 180 | 94 | 57 | 45 | SP110-410 | PS1809-6-o | SP105-410 | PS1809-6-m | 7.09 | 3.70 | 2.24 | 1.77 |
| 180 | 94 | 81 | 69 | SP110-910 | PS1809-8-o | SP105-910 | PS1809-8-m | 7.09 | 3.70 | 3.19 | 2.72 |
| 180 | 110 | 90 | 75 | SP110-406 | PS1811-9-o | SP105-406 | PS1811-9-m | 7.09 | 4.33 | 3.54 | 2.95 |
| 180 | 110 | 111 | 96 | SP110-906 | PS1811-11-o | SP105-906 | PS1811-11-m | 7.09 | 4.33 | 4.37 | 3.78 |
| 180 | 110 | 165 | 151 | SP109-406 | PS1811-16-o | SP104-406 | PS1811-16-m | 7.09 | 4.33 | 6.50 | 5.94 |
| 180 | 130 | 63 | 48 | SP105-415 | PS1813-6f-o | SP110-415 | PS1813-6f-m | 7.09 | 5.12 | 2.48 | 1.89 |
| 180 | 130 | 84 | 69 | SP106-515 | PS1813-8f-o | SP111-515 | PS1813-8f-m | 7.09 | 5.12 | 3.31 | 2.72 |
| 180 | 130 | 111 | 97 | SP105-916 | PS1813-11-o | SP110-916 | PS1813-11-m | 7.09 | 5.12 | 4.37 | 4.37 |
| 180 | 130 | 137 | 123 | SP107-015 | PS1813-13f-o | SP112-015 | PS1813-13f-m | 7.09 | 5.12 | 5.39 | 4.84 |
| 180 | 130 | 165 | 150 | SP107-016 | PS1813-16-o | SP112-016 | PS1813-16-m | 7.09 | 5.12 | 6.50 | 5.91 |
| 182 | 180 | 90 | 75 | SP110-407 | PS1818-9-o | SP105-407 | PS1818-9-m | 7.17 | 7.09 | 3.54 | 2.95 |
| 182 | 180 | 111 | 97 | SP110-907 | PS1818-11-o | SP105-907 | PS1818-11-m | 7.17 | 7.09 | 4.37 | 3.82 |
| 182 | 180 | 165 | 151 | SP109-407 | PS1818-16-o | SP104-407 | PS1818-16-m | 7.17 | 7.09 | 6.50 | 5.94 |
| 254 | 180 | 63 | 48 | — | | SP105-411 | PS2518-6f-m | 10.00 | 7.09 | 2.48 | 1.89 |
| 254 | 180 | 84 | 70 | — | | SP105-911 | PS2518-8f-m | 10.00 | 7.09 | 3.31 | 2.76 |
| 254 | 180 | 90 | 75 | SP110-408 | PS2518-9-o | SP105-408 | PS2518-9-m | 10.00 | 7.09 | 3.54 | 2.95 |
| 254 | 180 | 111 | 97 | SP110-908 | PS2518-11-o | SP105-908 | PS2518-11-m | 10.00 | 7.09 | 4.37 | 3.82 |
| 254 | 180 | 137 | 123.5 | — | | SP104-411 | PS2518-13f-m | 10.00 | 7.09 | 5.39 | 4.86 |
| 254 | 180 | 165 | 151 | SP109-408 | PS2518-16-o | SP104-408 | PS2518-16-m | 10.00 | 7.09 | 6.50 | 5.94 |
| 360 | 254 | 111 | 97 | SP110-412 | PS3625-11-o | SP105-412 | PS3625-11-m | 14.17 | 10.00 | 4.37 | 3.82 |
| 360 | 254 | 165 | 150 | SP110-912 | PS3625-16-o | SP105-912 | PS3625-16-m | 14.17 | 10.00 | 6.50 | 5.91 |

Information subject to change without notice

* Internal depth measured from the top of internal mounting supports to inside of cover

TK-PC General Purpose Enclosures with solid grey cover (Order by Part No.)

| External dimensions (mm) | | | Int'l D * (mm) | Smooth side walls | | Metric knock-outs on walls | | External dimensions (in) | | | Int'l D * (In) |
|--------------------------|-----|-----|----------------|-------------------|--------------|----------------------------|--------------|--------------------------|-------|------|----------------|
| H | W | D | | Part No. | Model | Part No. | Model | H | W | D | |
| 52 | 50 | 35 | 24.5 | SP120-455 | PC55-4-o | SP127-455 | PC55-4-m | 2.05 | 1.97 | 1.38 | 0.96 |
| 65 | 50 | 35 | 24.5 | SP120-475 | PC75-4-o | SP127-475 | PC75-4-m | 2.56 | 1.97 | 1.38 | 0.96 |
| 65 | 65 | 57 | 45 | SP120-401 | PC77-6-o | SP127-401 | PC77-6-m | 2.56 | 2.56 | 2.24 | 1.77 |
| 65 | 65 | 81 | 69 | SP120-901 | PC77-8-o | SP127-901 | PC77-8-m | 2.56 | 2.56 | 3.19 | 2.72 |
| 94 | 65 | 57 | 45 | SP120-402 | PC97-6-o | SP127-402 | PC97-6-m | 3.70 | 2.56 | 2.24 | 1.77 |
| 94 | 65 | 81 | 69 | SP120-902 | PC97-8-o | SP127-902 | PC97-8-m | 3.70 | 2.56 | 3.19 | 2.72 |
| 94 | 94 | 57 | 45 | SP120-403 | PC99-6-o | SP127-403 | PC99-6-m | 3.70 | 3.70 | 2.24 | 1.77 |
| 94 | 94 | 81 | 69 | SP120-903 | PC99-8-o | SP127-903 | PC99-8-m | 3.70 | 3.70 | 3.19 | 2.72 |
| 110 | 110 | 66 | 54 | SP120-404 | PC1111-7-o | SP127-404 | PC1111-7-m | 4.33 | 4.33 | 2.60 | 2.13 |
| 110 | 110 | 90 | 78 | SP120-904 | PC1111-9-o | SP127-904 | PC1111-9-m | 4.33 | 4.33 | 3.54 | 3.07 |
| 130 | 94 | 57 | 45 | SP120-409 | PC1309-6-o | SP127-409 | PC1309-6-m | 5.12 | 3.70 | 2.24 | 1.77 |
| 130 | 94 | 81 | 69 | SP120-909 | PC1309-8-o | SP127-909 | PC1309-8-m | 5.12 | 3.70 | 3.19 | 2.72 |
| 130 | 130 | 75 | 63 | SP120-405 | PC1313-7-o | SP127-405 | PC1313-7-m | 5.12 | 5.12 | 2.95 | 2.48 |
| 130 | 130 | 99 | 87 | SP120-905 | PC1313-10-o | SP127-905 | PC1313-10-m | 5.12 | 5.12 | 3.90 | 3.43 |
| 180 | 94 | 57 | 45 | SP120-410 | PC1809-6-o | SP127-410 | PC1809-6-m | 7.09 | 3.70 | 2.24 | 1.77 |
| 180 | 94 | 81 | 69 | SP120-910 | PC1809-8-o | SP127-910 | PC1809-8-m | 7.09 | 3.70 | 3.19 | 2.72 |
| 180 | 110 | 90 | 75 | SP120-406 | PC1811-9-o | SP127-406 | PC1811-9-m | 7.09 | 4.33 | 3.54 | 2.95 |
| 180 | 110 | 111 | 96 | SP120-906 | PC1811-11-o | SP127-906 | PC1811-11-m | 7.09 | 4.33 | 4.37 | 3.78 |
| 180 | 110 | 165 | 151 | SP121-406 | PC1811-16-o | SP128-406 | PC1811-16-m | 7.09 | 4.33 | 6.50 | 5.94 |
| 180 | 130 | 63 | 48 | SP120-415 | PC1813-6f-o | SP127-415 | PC1813-6f-m | 7.09 | 5.12 | 2.48 | 1.89 |
| 180 | 130 | 84 | 69 | SP120-915 | PC1813-8f-o | SP127-915 | PC1813-8f-m | 7.09 | 5.12 | 3.31 | 2.72 |
| 180 | 130 | 90 | 75 | SP120-416 | PC1813-9-o | SP127-416 | PC1813-9-m | 7.09 | 5.12 | 3.54 | 2.95 |
| 180 | 130 | 111 | 97 | SP120-916 | PC1813-11-o | SP127-916 | PC1813-11-m | 7.09 | 5.12 | 4.37 | 4.37 |
| 180 | 130 | 137 | 123 | SP121-415 | PC1813-13f-o | SP128-415 | PC1813-13f-m | 7.09 | 5.12 | 5.39 | 4.84 |
| 180 | 130 | 165 | 150 | SP121-416 | PC1813-16-o | SP128-416 | PC1813-16-m | 7.09 | 5.12 | 6.50 | 5.91 |
| 182 | 180 | 90 | 75 | SP120-407 | PC1818-9-o | SP127-407 | PC1818-9-m | 7.17 | 7.09 | 3.54 | 2.95 |
| 182 | 180 | 111 | 97 | SP120-907 | PC1818-11-o | SP127-907 | PC1818-11-m | 7.17 | 7.09 | 4.37 | 3.82 |
| 182 | 180 | 165 | 151 | SP121-407 | PC1818-16-o | SP128-407 | PC1818-16-m | 7.17 | 7.09 | 6.50 | 5.94 |
| 254 | 180 | 63 | 48 | | – | SP127-411 | PC2518-6f-m | 10.00 | 7.09 | 6.50 | 1.89 |
| 254 | 180 | 84 | 70 | | – | SP127-911 | PC2518-8f-m | 10.00 | 7.09 | 3.31 | 2.76 |
| 254 | 180 | 90 | 75 | SP120-408 | PC2518-9-o | SP127-408 | PC2518-9-m | 10.00 | 7.09 | 3.54 | 2.95 |
| 254 | 180 | 111 | 97 | SP120-908 | PC2518-11-o | SP127-908 | PC2518-11-m | 10.00 | 7.09 | 4.37 | 3.82 |
| 254 | 180 | 137 | 123.5 | | – | SP128-411 | PC2518-13f-m | 10.00 | 7.09 | 5.39 | 4.86 |
| 254 | 180 | 165 | 151 | SP121-408 | PC2518-16-o | SP128-908 | PC2518-16-m | 10.00 | 7.09 | 6.50 | 5.94 |
| 360 | 254 | 111 | 97 | SP120-412 | PC3625-11-o | SP127-412 | PC3625-11-m | 14.17 | 10.00 | 4.37 | 3.82 |
| 360 | 254 | 165 | 150 | SP120-912 | PC3625-16-o | SP127-912 | PC3625-16-m | 14.17 | 10.00 | 6.50 | 5.91 |

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