

# switchgear

everything for those switched on

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## ordering information

### opening an account

To open a 30 day credit account call our sales office with your company details, or simply order direct on a cash with order basis.

### delivery

Orders placed before 3pm for standard stock items are normally delivered within 24 hours. Special orders and bespoke requirements may involve a different delivery timescale and you will be informed of this at time of order. There may be certain geographical limitations e.g. Eire, Channel Isles and so forth that will extend delivery times. Please confirm this at the time of placing your order. We can also offer a pre-10am or same day delivery service if required - please ask for details when placing your order. Free delivery is on all standard orders over £250. For orders under £250 please ask at time of order for confirmation of delivery prices.

### prices

Prices are available on request via a separate price list as these are continually adjusted to bring you the greatest savings.

Please call for the latest pricing or to request a free price list.

### returns

All returns require prior consent. Should a product fail to meet your expectations please contact us immediately quoting the following information;

- 1) Delivery note number
- 2) Invoice Number
- 3) Product code or description
- 4) Quantity damaged/faulty
- 5) Reason for return

Protek will then provide you with instructions for returning the goods. Please ensure all returned goods are correctly packaged and are fit for resale.

All shortages/damages/returns must be notified within 5 working days from you receiving your order.

contact us

## Easy Index, Range finder

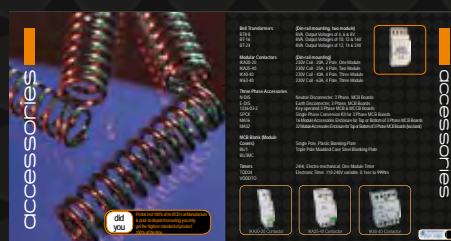
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## contents



# supra

the supra enclosure range



- Cut-Away sides allowing access for hands, not just cables
- Over 1000cm<sup>3</sup> wiring space for safe, reliable & ultra fast installations
- Secure Din-rail and Busbar on Key-hole fixings for rapid wiring & first Fix
- BSEN 60439-3 Certified

CODE	DESCRIPTION
SCL-409	Series 5: 'Supra' IP40 Enclosure - 9 Module
SCL-414	Series 5: 'Supra' IP40 Enclosure - 14 Module
SCL-420	Series 5: 'Supra' IP40 Enclosure - 20 Module

Showing enclosures only - furnished range over page

For full Technical  
Specifications turn to  
page 73



# DESIGNED IN BRITAIN UNDER THE TOUGHEST REQUIREMENTS

Available now in 9, 14 & 20 Module sizes

Technically Better, Aesthetically  
Beautiful. The All New  
Supra IP40 Enclosures

See the range...

switchgear  
everything for those switched on

PROTEK

# Supra

## switch incomer

The stunning new Supra Consumer Unit with electric blue translucent window and intuitive 'ClickLock' lid system. Available now in 3 to 18 Ways, furnished or unfurnished.



### INCLUDES

#### THE PROTEK ISOLATOR



see page 67 for info

did you  
know?

like all Supra products; our SWITCH INCOMER is also designed to be fitted with our own RCBO. (See Page 68 for details)

### How do I order?

Use this simple guide to order any combination you require. With this product the only item you might want to change is the number of 'Ways'

The Phoenix Switch Incomer is available from 3 to 18 ways (furnished or unfurnished)

Simply change the number of ways you require to order

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 007 Ways are built in a 9 module enclosure (S1)

008 - 012 Ways are built in a 14 module enclosure (S2)

013 - 018 Ways are built in a 20 module enclosure (S3)

(Enclosure dimensions can be found on Page 73)



This would be a Supra Enclosure fitted with a Protek Isolator leaving 7 ways spare, thus built into a 9 module enclosure.

**SISC-007**

SIGNIFIES  
A SUPRA  
ENCLOSURE

SIGNIFIES FITTED  
WITH AN  
ISOLATOR

INDICATES THE  
No. OF WAYS  
OFF ISOLATOR  
(3 to 18)

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.



# Supra

## RCD incomer

The stunning new Supra Consumer Unit with electric blue translucent window and intuitive 'ClickLock' lid system. Available now in 3 to 18 Ways, furnished or unfurnished.



### INCLUDES

YOUR CHOICE OF RCD



see page 65 for technical info

did you  
know?

the RCD INCOMER from Protek offers protection for all circuits - perfect for shock protection AND expensive equipment like Plasma TV's

### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways'

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

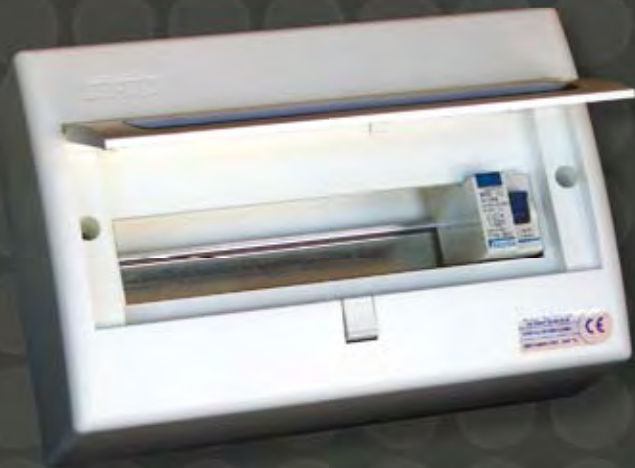
This depends on how many spaces or 'Ways' you require;

003 - 007 Ways are built in a 9 module enclosure (S1)

008 - 012 Ways are built in a 14 module enclosure (S2)

013 - 018 Ways are built in a 20 module enclosure (S3)

(Enclosure dimensions can be found on Page 73)



Time Delay also available - Please ask for details

This would be a Supra Enclosure fitted with a 63A RCD with a Tripping Current of 30mA leaving 6 ways spare, thus built into a 9 module enclosure.

**S 63 / 30 - 006**

SIGNIFIES  
A SUPRA  
ENCLOSURE

RCD  
CURRENT  
RATING  
(A)

RCD  
TRIPPING  
RATING  
(B)

INDICATES THE  
No. OF WAYS  
OFF RCD

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

# Supra

## split load

The stunning new Supra Consumer Unit with electric blue translucent window and intuitive 'ClickLock' lid system. Available now in 3 to 18 Ways, furnished or unfurnished.



### INCLUDES

#### THE PROTEK ISOLATOR



see page 67 for technical info

### INCLUDES

#### YOUR CHOICE OF RCD



see page 65 for technical info

did you  
know?

All Protek SPLIT LOAD's offer circuit protection  
WITHOUT nuisance tripping



### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways' off the RCD and Isolator

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 005 Ways are built in a 9 module enclosure (S1)

006 - 010 Ways are built in a 14 module enclosure (S2)

011 - 016 Ways are built in a 20 module enclosure (S3)

(Enclosure dimensions can be found on Page 73)



Time Delay also available - Please ask for details

This would be a Supra Enclosure fitted with a 63A RCD with a Tripping Current of 30mA leaving 5 ways spare off the Isolator and 5 ways off the RCD, thus built into a 14 module enclosure.

**S5/5-63/30**

SIGNIFIES  
A SUPRA  
ENCLOSURE

No. OF  
WAYS OFF  
ISOLATOR

No. OF  
WAYS  
OFF RCD

RCD  
CURRENT  
RATING

RCD  
TRIPPING  
RATING

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

# twin tariff

The stunning new Supra Consumer Unit with electric blue translucent window and intuitive 'ClickLock' lid system. Available now in 3 to 18 Ways, furnished or unfurnished.



**INCLUDES 2**

## PROTEK ISOLATORS



see page 67 for technical info

did you know?

**All Protek TWIN TARIFF enclosures offer total site protection**

### How do I order?

Use this simple guide to order any combination you require. With this product there are two variables you might want to change; the number of ways of each Isolator

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 005 Ways are built in a 9 module enclosure (S1)

006 - 010 Ways are built in a 14 module enclosure (S2)

011 - 016 Ways are built in a 20 module enclosure (S3)

(Enclosure dimensions can be found on Page 73)

The Supra Twin Tariff is available with up to 16 ways spare, or a combination totalling no more than 16. i.e. 10 and 6 (furnished or unfurnished)



This would be a Supra Enclosure fitted with 2x Prottek Isolators. Each Isolator would have 5 ways off it and thus be built into a 14 module enclosure.

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

**S** **I** **S** **8** / **I** **S** **8**

SIGNIFIES A SUPRA ENCLOSURE    SIGNIFIES ISOLATOR    No. OF WAYS OFF ISOLATOR    SIGNIFIES ISOLATOR    No. OF WAYS OFF ISOLATOR



# phoenix

## the phoenix enclosure range



- Full IP65 rating with 'Gasketless' main seal for lifelong protection
- Strong, tried & tested construction for ultimate endurance
- Secure Din-Rail & Busbar mountings for rapid installation
- Available from 4 up to 54 modules (via a triple-bank enclosure)

CODE	DESCRIPTION
CL602/4	Series 6: 'Phoenix' IP65 Enclosure - 2 or 4 Module (cutaway cover)
CL608	Series 6: 'Phoenix' IP65 Enclosure - 8 Module
CL612	Series 6: 'Phoenix' IP65 Enclosure - 12 Module
CL618	Series 6: 'Phoenix' IP65 Enclosure - 18 Module
CL624	Series 6: 'Phoenix' IP65 Enclosure - 24 Module (Double 12 Bank)
CL636	Series 6: 'Phoenix' IP65 Enclosure - 36 Module (Double 18 Bank)
CL654	Series 6: 'Phoenix' IP65 Enclosure - 54 Module (Triple 18 Module)

Showing enclosures only - furnished range over page

For full Technical  
Specifications turn to  
page 73

# DESIGNED FOR HARSH ENVIRONMENTS - PHOENIX IP65 ENCLOSURES

Available now in 4, 8, 12, 18, 24, 36 & 54 Module sizes

The Rugged  
Phoenix IP65 Enclosures  
from Protek Electronics

See the range...

switchgear  
everything for those switched on

PROTEK



# phoenix

## switch incomer

The ruggedised Phoenix IP65 enclosure is available now in 1 to 52 Ways. Pre-configured to your preference as either a Switch Incomer, RCD Incomer, Split Load or Twin Tariff. The Phoenix range like all Protek enclosures is also compatible with Protek's all new 10kA MCB's.



### INCLUDES

THE PROTEK ISOLATOR



see page 67 for technical info

did you  
know?

All Protek TWIN TARIFF enclosures can be fitted with Protek RCBO's to protect individual circuits (see page 66 for details)



### How do I order?

Use this simple guide to order any combination you require. With this product the only item you might want to change is the number of 'Ways'

The Phoenix Switch Incomer is available from 2 to 52 ways  
(furnished or unfurnished)

Simply change the number of ways you require to order

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

001 - 002 Ways are built in a 4 module enclosure  
003 - 006 Ways are built in a 8 module enclosure  
007 - 010 Ways are built in a 12 module enclosure  
011 - 016 Ways are built in an 18 module enclosure  
017 - 022 Ways are built in a 24 module enclosure  
023 - 034 Ways are built in a 36 module enclosure  
035 - 052 Ways are built in a 54 module enclosure  
(Enclosure dimensions can be found on Page 73)

This would be a Phoenix Enclosure with 10 ways spare off the Isolator thus built into an 18 module enclosure.

**IS-010 IP65**

SIGNIFIES  
FITTED WITH  
AN ISOLATOR

INDICATES THE  
No. OF WAYS  
OFF ISOLATOR  
(1 to 52)

SIGNIFIES PHOENIX  
IP65 ENCLOSURE

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

# phoenix

## RCD incomer

The ruggedised Phoenix IP65 RCD Incomer is available now in 1 to 52 Ways, furnished or unfurnished.



### INCLUDES

YOUR CHOICE OF RCD



see page 65 for technical info

did you  
know?

Each Protek Enclosure can be fitted with the all NEW Protek MCB's that are now 10kA & come with Positive Contact Indication as standard. (see page 64)

### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways'

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

001 - 002 Ways are built in a 4 module enclosure

003 - 006 Ways are built in a 8 module enclosure

007 - 010 Ways are built in a 12 module enclosure

011 - 016 Ways are built in an 18 module enclosure

017 - 022 Ways are built in a 24 module enclosure

023 - 034 Ways are built in a 36 module enclosure

035 - 052 Ways are built in a 54 module enclosure

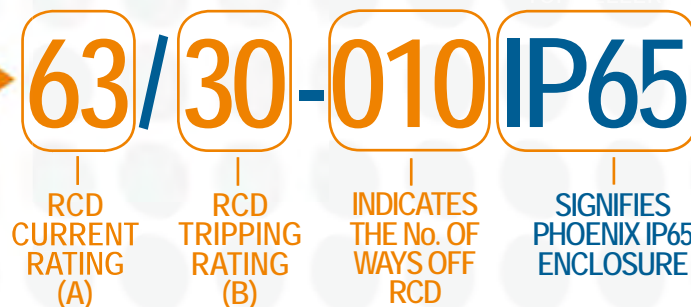
(Enclosure dimensions can be found on Page 73)

### Time Delay Available - Please ask for Details

The Phoenix RCD Incorporator is available in 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

This would be a Supra Enclosure fitted with a 63A RCD with a Tripping Current of 30mA leaving 10 ways spare, thus built into a 12 module enclosure.





# phoenix

## split load

The ruggedised Phoenix IP65 Split Load is available now in 1 to 52 Ways, furnished or unfurnished.



### INCLUDES

THE PROTEK ISOLATOR



see page 67 for technical info

### INCLUDES

YOUR CHOICE OF RCD



see page 65 for technical info

did you  
know?

All Protek SPLIT LOAD's offer circuit protection  
WITHOUT nuisance tripping



### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways' off the RCD and Isolator

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

004 - Ways are built in a 8 module enclosure

005 - 008 Ways are built in a 12 module enclosure

009 - 014 Ways are built in an 18 module enclosure

015 - 020 Ways are built in a 24 module enclosure

021 - 032 Ways are built in a 36 module enclosure

032 - 050 Ways are built in a 54 module enclosure

(Enclosure dimensions can be found on Page 73)

Time Delay Available - Please ask for Details

This would be a Phoenix Enclosure fitted with a 63A RCD with a Tripping Current of 30mA leaving 6 ways spare off the Isolator and 6 ways off the RCD, thus built into an 18 module enclosure.

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

**6/6-63/30IP65**

No. OF WAYS OFF ISOLATOR    No. OF WAYS OFF RCD    RCD CURRENT RATING    RCD TRIPPING RATING    SIGNIFIES PHOENIX IP65 ENCLOSURE

# phoenix

## twin tariff

The ruggedised Phoenix IP65 RCD Incomer is available now in 1 to 52 Ways, furnished or unfurnished.



**INCLUDES 2**

**PROTEK ISOLATORS**



see page 67 for technical info

**did you  
know?**

All Protek TWIN TARIFF enclosures can be fitted with Protek RCBO's to protect individual circuits (see page 66 for details)

### How do I order?

Use this simple guide to order any combination you require. With this product there are two variables you might want to change; the number of ways of each Isolator

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

004 - Ways are built in a 8 module enclosure

005 - 008 Ways are built in a 12 module enclosure

009 - 014 Ways are built in an 18 module enclosure

015 - 020 Ways are built in a 24 module enclosure

021 - 032 Ways are built in a 36 module enclosure

032 - 050 Ways are built in a 54 module enclosure

(Enclosure dimensions can be found on Page 73)

The Phoenix Twin Tariff is available with up to 50 ways spare, or a combination totalling no more than 50. i.e. 25 and 25 (furnished or unfurnished)

This would be a Supra Enclosure fitted with 2x Protek Isolators. Each Isolator would have 6 ways off it and thus be built into a 18 module enclosure.

**IS6/IS6IP65**

SIGNIFIES  
FITTED  
WITH AN  
ISOLATOR

INDICATES  
THE No.  
OF WAYS  
OFF 1st  
ISOLATOR  
(1 to 49)

SIGNIFIES  
FITTED  
WITH AN  
ISOLATOR

INDICATES  
THE No.  
OF WAYS  
OFF 2nd  
ISOLATOR  
(1 to 49)

SIGNIFIES  
PHOENIX IP65  
ENCLOSURE

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.



# merge

the merge enclosure range



- Flush mounting to compliment any decor
- Tough Powder Coated metal backplate
- Multi-Hinge door system
- Installed profile of only 20mm thin

CODE	DESCRIPTION
CL212MF	Series 2: 'Merge' IP40 Flush Metal Enclosure - 12 Module
CL216MF	Series 2: 'Merge' IP40 Flush Metal Enclosure - 16 Module
CL224MF	Series 2: 'Merge' IP40 Flush Metal Enclosure - 24 Module
CL232MF	Series 2: 'Merge' IP40 Flush Metal Enclosure - 32 Module

Showing enclosures only - furnished range over page

For full Technical  
Specifications turn to  
page 73





# NOT EVERYTHING SHOULD STAND OUT

Protek Flush enclosures are available now in 12, 16, 24 &  
32, 36, 48 Modules

The Discrete  
Merge Flush Enclosures  
from Protek Electronics

See the range...

switchgear  
everything for those switched on

PROTEK

# merge

## switch incomer

The discrete Merge IP40 Switch Incomer blends in to any background and is available now in 3 to 46 Ways, furnished or unfurnished.

### INCLUDES

THE PROTEK ISOLATOR



see page 67 for technical info



did you  
know?

The Merge IP40 Flush enclosures have a powder coated steel backplate for increased structural strength & endurance

### How do I order?

Use this simple guide to order any combination you require. With this product the only item you might want to change is the number of 'Ways'

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 010 Ways are built in a 12 module enclosure

011 - 014 Ways are built in a 16 module enclosure

015 - 022 Ways are built in a 24 module enclosure

023 - 030 Ways are built in a 32 module enclosure

035 - 046 Ways are built in a 48 module enclosure

(Enclosure dimensions can be found on Page 73)

The Merge Switch Incomer is available  
from 3 to 46 ways  
(furnished or unfurnished)

Simply change the number of ways you  
require to order

Time Delay Available - Please ask for Details

This would be a Merge Enclosure fitted with a  
Protek Isolator leaving 10 ways spare, thus built into  
a 12 module enclosure.

This is just a sample of our range & represents one  
of the most popular lines. For the full range please  
call with your requirements.

**IS-010 MF**

SIGNIFIES  
FITTED WITH  
AN ISOLATOR

INDICATES THE  
No. OF WAYS  
OFF ISOLATOR  
(1 to 46)

SIGNIFIES  
MERGE FLUSH  
ENCLOSURE



# merge

## RCD incomer

The discrete Merge IP40 RCD Incomer blends in to any background and is available now in 3 to 46 Ways, furnished or unfurnished.

### INCLUDES

YOUR CHOICE OF RCD



see page 65 for technical info



did you know?

The cover of the smart Merge IP40 Flush enclosure can be hinged on either side making it versatile for any location



Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways'

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

This depends on how many spaces or 'Ways' you require;

003 - 010 Ways are built in a 12 module enclosure  
011 - 014 Ways are built in a 16 module enclosure  
015 - 022 Ways are built in a 24 module enclosure  
023 - 030 Ways are built in a 32 module enclosure  
031 - 034 Ways are built in a 36 module enclosure  
035 - 046 Ways are built in a 48 module enclosure  
(Enclosure dimensions can be found on Page 73)

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

The diagram shows a label with the text **63/30-010 MF**. Below each part of the label is a vertical line pointing to a callout box:

- 63**: RCD CURRENT RATING (A)
- 30**: RCD TRIPPING RATING (B)
- 010**: INDICATES THE No. OF WAYS OFF RCD
- MF**: SIGNIFIES MERGE FLUSH ENCLOSURE

# merge

## split load

The discrete Merge IP40 Split Load blends in to any background and is available now in 3 to 44 Ways, furnished or unfurnished.



### INCLUDES

THE PROTEK ISOLATOR



see page 67 for technical info

### INCLUDES

YOUR CHOICE OF RCD



see page 65 for technical info

did you  
know?

All Protek SPLIT LOAD's offer circuit protection  
WITHOUT nuisance tripping

### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways' off the RCD and Isolator

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

006 - 008 Ways are built in a 12 module enclosure

009 - 012 Ways are built in a 16 module enclosure

013 - 018 Ways are built in a 24 module enclosure

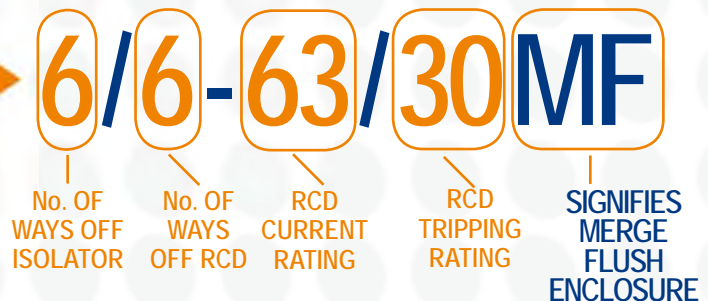
019 - 028 Ways are built in a 32 module enclosure

029 - 044 Ways are built in a 48 module enclosure

(Enclosure dimensions can be found on Page 73)

Time Delay Available - Please ask for Details

This would be a Merge Enclosure fitted with a 63A RCD with a Tripping Current of 30mA leaving 6 ways spare off the Isolator and 6 ways off the RCD, thus built into an 16 module enclosure.



This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.



# merge

## twin tariff

The discrete Merge IP40 Twin Tariff blends in to any background and is available now in 3 to 44 Ways, furnished or unfurnished.

**INCLUDES 2**

**PROTEK ISOLATORS**



see page 67 for technical info



**did you know?**

All Protek TWIN TARIFF enclosures can be fitted with Protek RCBO's to protect individual circuits (see page 66 for details)

### How do I order?

Use this simple guide to order any combination you require. With this product there are two variables you might want to change; the number of ways of each Isolator

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

006 - 008 Ways are built in a 12 module enclosure

009 - 012 Ways are built in a 16 module enclosure

013 - 018 Ways are built in a 24 module enclosure

019 - 028 Ways are built in a 32 module enclosure

029 - 044 Ways are built in a 48 module enclosure

(Enclosure dimensions can be found on Page 73)

The Merge Twin Tariff is available with up to 44 ways spare, or a combination totalling no more than 44. i.e. 22 and 22 (furnished or unfurnished)

This would be a Merge Enclosure fitted with 2x Protek Isolators. Each Isolator would have 6 ways off it and thus be built into a 18 module enclosure.

IS6/IS6MF

SIGNIFIES  
FITTED  
WITH AN  
ISOLATOR

INDICATES  
THE No.  
OF WAYS  
OFF 1st  
ISOLATOR  
(1 to 43)

SIGNIFIES  
FITTED  
WITH AN  
ISOLATOR

INDICATES  
THE No.  
OF WAYS  
OFF 2nd  
ISOLATOR  
(1 to 43)

SIGNIFIES  
MERGE  
FLUSH  
ENCLOSURE

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

# Fe metal

## the Fe metal enclosure range



- Scratch resistant, High Gloss Galvanised Steel
- Multiple 'EasyClear' Knock-outs
- Tough, Smoked Polycarbonate switch Cover



CODE	DESCRIPTION
CL206M	Series 2: 'Fe (Metal)' IP40 Enclosure - 6 Module
CL211M	Series 2: 'Fe (Metal)' IP40 Enclosure - 11 Module
CL215M	Series 2: 'Fe (Metal)' IP40 Enclosure - 15Module
CL222M	Series 2: 'Fe (Metal)' IP40 Enclosure - 22 Module (Double 11 Bank)
CL233M	Series 2: 'Fe (Metal)' IP40 Enclosure - 33 Module (Triple 11 Bank)

Showing enclosures only - furnished range over page

For full Technical  
Specifications turn to  
page 74



# WHERE ONLY THE STRONG SURVIVE

Available in 6, 11, 15, 22, & 33 Module sizes

The Solid  
Fe Metal Enclosures  
from Protek Electronics

See the range...

switchgear  
everything for those switched on



# Fe metal

## switch incomer

The solid Fe (Metal) Switch Incomer blends in to any background with its smart brilliant white powder coated steel chassis with smoked, hinged cover is available now in 3 to 31 Ways, furnished or unfurnished.



### INCLUDES

THE PROTEK ISOLATOR



see page 67 for technical info

did you  
know?

The Fe (Metal) enclosures are designed for wiring simplicity with plenty of space for hands whilst installing cables.

### How do I order?

Use this simple guide to order any combination you require. With this product the only item you might want to change is the number of 'Ways'

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 004 Ways are built in a 6 module enclosure

005 - 009 Ways are built in an 11 module enclosure

010 - 013 Ways are built in a 15 module enclosure

014 - 020 Ways are built in a 22 module enclosure

021 - 031 Ways are built in a 33 module enclosure

(Enclosure dimensions can be found on Page 74)

The Fe (Metal) Switch Incomer is available from 3 to 31 ways (furnished or unfurnished)

Simply change the number of ways you require to order

This would be an Fe (Metal) Enclosure fitted with a Protek Isolator leaving 9 ways spare, thus built into an 11 module enclosure.

**IS-009 M**

SIGNIFIES  
FITTED WITH  
AN ISOLATOR

INDICATES THE  
No. OF WAYS  
OFF ISOLATOR  
(1 to 31)

SIGNIFIES  
Fe (Metal)  
ENCLOSURE

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.



# Fe metal

## RCD incomer

The solid Fe (Metal) RCD Incomer blends in to any background with its smart brilliant white powder coated steel chassis with smoked, hinged cover is available now in 3 to 31 Ways, furnished or unfurnished.



### INCLUDES

YOUR CHOICE OF RCD



see page 65 for technical info

did you  
know?

Like all Protek enclosures, the Fe (Metal) enclosure is also designed to use protek Time Delay RCD's (see page 65 for details)

### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways'

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 004 Ways are built in a 6 module enclosure

005 - 009 Ways are built in an 11 module enclosure

010 - 013 Ways are built in a 15 module enclosure

014 - 020 Ways are built in a 22 module enclosure

021 - 031 Ways are built in a 33 module enclosure

(Enclosure dimensions can be found on Page 74)

### Time Delay Available - Please ask for Details

The Fe (Metal) RCD Enclosure is available in 6, 11, 15, 22, 33 module enclosures for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 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405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 210

# Fe metal

## split load

The solid Fe (Metal) Split Load blends in to any background with its smart brilliant white powder coated steel chassis with smoked, hinged cover is available now in 3 to 29 Ways, furnished or unfurnished.



### INCLUDES

THE PROTEK ISOLATOR



see page 67 for technical info

### INCLUDES

YOUR CHOICE OF RCD



see page 665 for technical info

did you know?

The Fe (Metal) enclosure has some of the easiest clearing knockouts available, despite being exceptionally tough when not required



### How do I order?

Use this simple guide to order any combination you require. With this product there are three variables you might want to change; the RCD rating and the number of 'Ways' off the RCD and Isolator

#### (A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

#### (B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 007 Ways are built in an 11 module enclosure

010 - 011 Ways are built in a 15 module enclosure

014 - 018 Ways are built in a 22 module enclosure

021 - 029 Ways are built in a 33 module enclosure

(Enclosure dimensions can be found on Page 74)

Time Delay Available - Please ask for Details

This would be an Fe (Metal) Enclosure fitted with a 63A RCD with a Tripping Current of 30mA leaving 5 ways spare off the Isolator and 6 ways off the RCD, thus built into an 15 module enclosure.

**5 / 6 - 63 / 30 M**

No. OF WAYS OFF ISOLATOR    No. OF WAYS OFF RCD    RCD CURRENT RATING    RCD TRIPPING RATING    SIGNIFIES PHOENIX IP65 ENCLOSURE

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

# Fe metal

## twin tariff

The solid Fe (Metal) Twin Tariff blends in to any background with its smart brilliant white powder coated steel chassis with smoked, hinged cover is available now in 3 to 29 Ways, furnished or unfurnished.



INCLUDES 2

PROTEK ISOLATORS



see page 67 for technical info

did you  
know?

Protek MCB's are all 10kA for increased safety & reliability. They are also designed to perfectly compliment the Fe (Metal) enclosure (see page 64 for details)

### How do I order?

Use this simple guide to order any combination you require. With this product there are two variables you might want to change; the number of ways of each Isolator

### What size will my enclosure be?

This depends on how many spaces or 'Ways' you require;

003 - 007 Ways are built in an 11 module enclosure

010 - 011 Ways are built in a 15 module enclosure

014 - 018 Ways are built in a 22 module enclosure

021 - 029 Ways are built in a 33 module enclosure

(Enclosure dimensions can be found on Page 74)

The Fe (Metal) Twin Tariff is available with up to 29 ways spare, or a combination totalling no more than 29. i.e. 14 and 15 (furnished or unfurnished)

This would be an Fe (Metal) Enclosure fitted with 2x Protek Isolators. One Isolator would have 5 ways off it, the other 6 and thus be built into a 11 module enclosure.

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

**IS5/IS6M**

SIGNIFIES  
FITTED  
WITH AN  
ISOLATOR

INDICATES  
THE No.  
OF WAYS  
OFF 1st  
ISOLATOR  
(1 to 28)

SIGNIFIES  
FITTED  
WITH AN  
ISOLATOR

INDICATES  
THE No.  
OF WAYS  
OFF 2nd  
ISOLATOR  
(1 to 28)

SIGNIFIES  
PHOENIX IP65  
ENCLOSURE



# titan Ag

the titan Ag switch range



## Rotary - Metal Clad

Available in 2, 3 or 4 Poles  
Tough Powder Coating  
10A to 250A  
Full Load-Break Capacity (ON & OFF)  
Tungsten-Silver Contact Tips (x2 per Pole)  
Interlocking Handle when ON  
Lockable Handle (x3 positions) When OFF



## Rotary - IP65

Available in 2, 3 or 4 Poles  
10A to 125A  
Full Load-Break Capacity (ON & OFF)  
Tungsten-Silver Contact Tips (x2 per Pole)  
Lockable handle (x3 positions) When OFF  
Full IP65 rated with 'Gasket-less' seals



## In-Line - Fuse Switch

Protection for S, P & N  
10A to 100A  
Full Load-Break Capacity (ON & OFF)  
Tungsten-Silver Contact Tips (x2 per Pole)  
Complete with Choice of Protek Isolator

GENUINE  
SOLID  
BRASS

# MULTI-LOCKING? IT MUST BE TITAN Ag

The Solid  
TITAN Ag Switch Range  
from Protek Electronics

See the range...

switchgear  
everything for those switched on

PROTEK

# titan Ag

## IP65 rotary switch

The Titan Ag IP65 Rotary Switch from Protek benefits from gasketless seals and has load break (ON & OFF) potential. The Titan IP65 Rotary Switch is available now



did you  
know?

When OFF, the IP65 Rotary Switch from Protek is lockable in three separate positions ensuring multi engineer site safety.



### How do I order?

Use this simple guide to order any combination you require. With this product there are two items you might want to change; the no. of switched poles and the Current Rating

The Titan Ag IP65 Rotary Switch is available in two sizes depending on the current rating you choose (see above right for details)

Simply choose your rating and the No. of poles switched to order

### What size will my enclosure be?

This depends on the rating of the Isolator you choose.

The following current range is fitted in the smaller R1 enclosure.

10, 16, 20, 25 & 40A

For higher ratings (see below) the larger R2 enclosure is used.

50, 63, 80, 100 & 125A

(Enclosure dimensions can be found on Page 74)

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

This would be an IP65 Rotary Switch with an 100A Current Rating

ROT

SIGNIFIES  
ROTARY  
SWITCH

3

INDICATES  
No. OF  
POLES  
SWITCHED  
(2, 3 or 4)

100

INDICATES  
THE CURRENT  
RATING OF  
ISOLATOR

IP

SIGNIFIES  
IP65

# titan Ag

## metal rotary switch

The Titan Ag METAL Rotary Switch from Protek benefits from a tough powder coated steel construction and has load break (ON & OFF) potential. The Titan Metal Clad Rotary Switch is available now



did you  
know?

Like the Supra enclosure, all metal Rotary Switches have 'cut away' sides for easy cable access. Ratings over 160A also have removable gland plates (top & Bottom)

### How do I order?

Use this simple guide to order any combination you require. With this product there are two items you might want to change; the no. of switched poles and the Current Rating

The Titan Ag Metal Clad Rotary Switch is available in three sizes depending on the current rating you choose (see above right for details)

Simply choose your rating and the No. of poles switched to order

### What size will my enclosure be?

This depends on the rating of the Isolator you choose.

The following current range is fitted in the smaller R3 enclosure.

10, 16, 20, 25 & 32A

For higher ratings (see below) the medium R4 enclosure is used.

80, 100 & 125A

For the highest ratings the larger R5 enclosure is used.

160, 200, 250A

(Enclosure dimensions can be found on Page 74)

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

This would be a Titan Ag Metal Clad Rotary Switch with a 100A Current Rating

**ROT3100**

SIGNIFIES  
METAL CLAD  
ROTARY  
SWITCH

INDICATES  
No. OF  
POLES  
SWITCHED  
(2, 3 or 4)

INDICATES  
THE CURRENT  
RATING OF  
ISOLATOR



# titan Ag

## metal fused rotary switch

The Titan Ag Metal Fused Rotary Switch from Protek benefits from a tough powder coated steel construction and has load break (ON & OFF) potential. The Titan Metal Clad Fused Rotary Switch is available now



did you  
know?

All Titan Ag Metal Clad Rotary Switches have in built 'Handle Interlocking'. A safety system that ensures the enclosure can not be opened when switched on

### How do I order?

Use this simple guide to order any combination you require. With this product there are two items you might want to change; the no. of switched poles and the Current Rating

The Titan Ag Metal Clad Fused Rotary Switch is available in three sizes depending on the current rating you choose (see right for details)

Simply choose your rating and the No. of poles switched to order

### What size will my enclosure be?

This depends on the rating of the Isolator you choose.

The following current range is fitted in the smaller R4 enclosure.

10, 16, 20, 25, 32A

For higher ratings (see below) the medium R5 enclosure is used.

40, 63, 80, 100, & 125A

For the highest ratings the larger R6 enclosure is used.

160 & 200A

(Enclosure dimensions can be found on Page 74)

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

This would be a Titan Metal Fused Rotary Switch with a 100A Current Rating

TOP SELLER

FS	3	100
SIGNIFIES METAL CLAD ROTARY SWITCH	INDICATES No. OF POLES SWITCHED (2, 3 or 4)	INDICATES THE CURRENT RATING OF ISOLATOR

# titan Ag

## in-line fuse switch

With up to 9 variations the Protek in-line fuse switch is one of the most versatile units available



### INCLUDES

YOUR CHOICE OF ISOLATOR



see page 67 for technical info

did you  
know?

Protek InLine Fuse Switches are perfect for protecting the electricity boards cables.



### How do I order?

Use this simple guide to order any combination you require. With this product the only item you might want to change is the number of 'Ways'

### What Current Rating can my Inline Fuse switch be?

This depends on the rating of the Isolator you choose.

The following isolator range is available;

10, 16, 20, 25, 40, 50, 63, 80, 100A

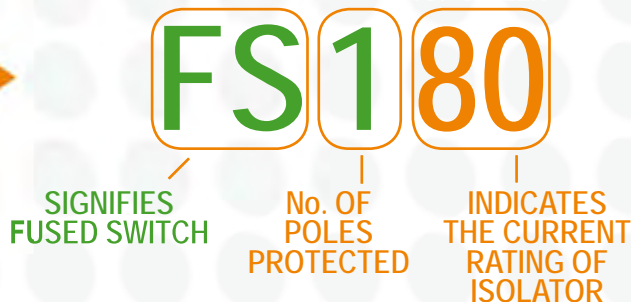
(Enclosure dimensions can be found on Page 75)

The Titan Ag Inline Fuse Switch is available in ten different ratings (see above right for details)

Simply choose the Current rating you require to order

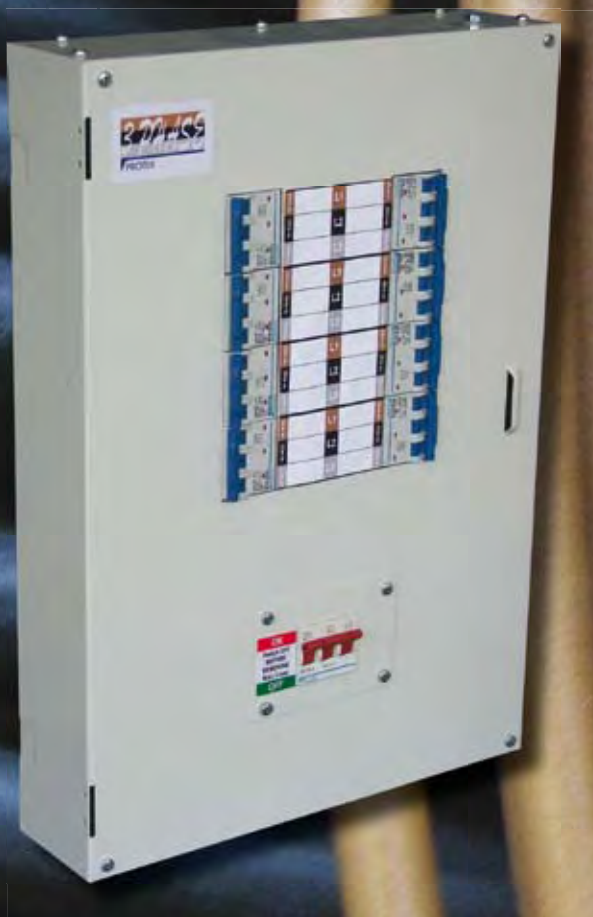
This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

This would be an Inline Fuse Switch fitted with an 80A Protek Isolator



# 3 phase

## distribution board range





# THE ENGINEERS CHOICE FOR INSTALLATION

Available now in 4 to 24 Triple Pole Ways with Busbars rated at 250A. Incomers from 63 to 250A. Split Load also available - Please call.

The Stunning  
Three Phase Distribution Boards  
from Protek Electronics



See the range...

switchgear  
everything for those switched on





# 3 phase

## distribution board

Designing the fastest and easiest to install 3 Phase Distribution board available was no simple task. Neither was creating a massively strong backplate that featured completely cut-away sides for mains cable access - But we've done it and the results speak for themselves.

- \* Reduced Installation Times

- \* Only 1 engineer required to mount and install the board. Meaning your costs go down & Profit goes up.

- \* Enhanced useability thanks to the removable door.



### (A) To Order the board

You can choose the number of Triple Pole Ways from the following;

4, 6, 8, 12, 16 or 24 ways

### (B) To Order a Main Switch

You can Order the 3 Phase with a Main Switch. To do so simply choose from the following;

63, 100, 125, 160, 200 or 250A

### How do I order?

The Protek 3 Phase is available on its own, with a Main Switch or RCD Switch & also as a Split Load. Please call for full details.

### Spreader Box

Any Protek 3 Phase Distribution Board above 125A requires a Spreader Box. Part:SB400 (Dimensions can be found on Page 75)

#### (A) To Order the board

You can choose the number of Triple Pole Ways from the following;

4, 6, 8, 12, 16 or 24 ways

#### (C) Or to make the Main Switch an RCD

You can choose the Current Rating from the following; 63 or 100A

And the Tripping Rating from;

30, 100, 300, 500A

Time Delay & Split Load Available - Please ask for Details

This is just a sample of our range & represents one of the most popular lines. For the full range please call with your requirements.

This would be a 3 Phase fitted with a 125A Main Switch

TP 4 MS3125

SIGNIFIES 3 PHASE SIGNIFIES 3 OR 4 POLE MAIN SWITCH (B)

# mccb

## distribution board

Following the same design principles of the 3 Phase Distribution board, the MCCB Board is also designed to be the fastest and easiest to instal MCCB board available.

With a choice of 400A or 800A and from 4 to 16 Triple-pole MCCB ways the Protek 3 Phase MCCB Boards are the only choice.

- \* Removable Gland Plates
- \* Keyhole Fixing Backplates
- \* Glide on MCCB fitment





### How do I order?

The Protek 3 Phase is available on its own, with a Main Switch or RCD Switch & also as a Split Load. Please call for full details.

#### (A) To Order the board

You can choose the number of Triple Pole Ways from the following;

4, 6, 8, 12 or 16 ways

### MCCB Incomer Enclosure

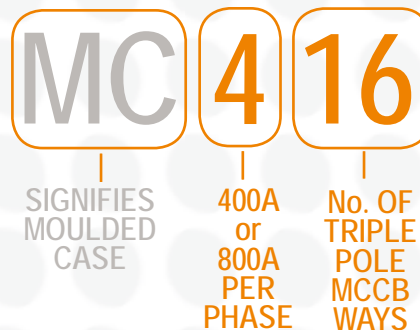


(Dimensions can be found on Page 75)

MCCB Switch Incomers are available from  
100-800A

This would be a 3 Phase MCCB Distribution Board  
rated at 400A per phase. Complete with 16 Triple  
Pole MCCB Ways

This is just a sample of our range & represents one  
of the most popular lines. For the full range please  
call with your requirements.



# switchgear

MCB's, RCD's, RCBO's, Isolator's,  
MCCB's & Accessories



# MADE TO MEASURE

Protek Switchgear and enclosures are designed for each other. By only installing Protek Original switchgear into Protek enclosures guarantees both aesthetic perfection and wiring simplicity.

The High Specification  
Switchgear Range  
from Protek Electronics

See the range...

switchgear  
everything for those switched on





# MCB's

## PROTEK MCB's

Shaped to perfectly compliment the Protek range of Isolators, RCD's & RCBO's the Protek range of MCB's gives the user Positive Contact Indication for 'at a glance' safety diagnosis.

All MCB's are now also 10kA for increased performance and benefits from secure din rail mounting, large 50mm cable carrying capacity & a reassuring switching action.



### DID YOU KNOW?

The New Protek MCB has;

Snap Action Switching

10kA Rating

New Arc Chamber

Secure Din Rail Mounting

B, C & D Curve

This would be a single pole 10ka MCB with a 'B' Curve and a Current Rating of 32A

# MCB - 1B32

SIGNIFIES  
MCB

No. OF  
POLES  
(1, 2 or 3)

TRIPPING  
CURVE  
(B, C or D)

CURRENT  
RATING  
(1 TO 63A)

THE ALL NEW 10KA PROTEK MCB RANGE IS AVAILABLE NOW!

AWARD  
WINNING  
RCD!

# RCD's

## PROTEK RCD's

Not one for standing still Protek has re-developed the RCD to include some award winning design aspects, increasing safety & reducing costs - which have both been greatly received by our customers

### DID YOU KNOW?

**100%:** Each & every RCD is rigorously tested before dispatch to ensure total safety & reliability

**SECURE:** Tougher cable clamps & screws for lifelong security & confident installations



This would be a two pole 100A RCD with a Current rating of 100A and a tripping Current of 30mA.

(A) What can the Current Rating of my RCD be?

You can choose the Current Rating from the following;

25, 40, 63, 80 or 100A

(B) What can the Tripping Current of my RCD be?

You can choose the Tripping Rating from the following;

30, 100, 300 or 500mA

(Plus Time Delay & 4 Pole - Ask for Details)

<b>T</b>	<b>100</b>	<b>-</b>	<b>30</b>	<b>-</b>	<b>2</b>
ONLY USED WHEN RCD IS 2 POLE	CURRENT RATING OF RCD (25 TO 100A)		TRIPPING CURRENT OF RCD (10 TO 500mA)		No. OF POLES (2 or 4)

Time Delay Available & 4pole available - Please ask for Details

Simply choose your rating and the No. of poles switched to order

# RCBO'S

## PROTEK RCBO's

RCBO's combine the performance and safety of an MCB with the reliability and simplicity of an RCD in 1 module saving valuable enclosure space & wiring time. Use this simple guide to order any RCBO you require. With this product there are four variables you might want to change; the No. of Modules, the Current Rating (MCB part), Tripping Current (RCD Part) & the Tripping Curve (B or C).

The Protek RCBO combines the benefits of an MCB with the security of an RCD in a tiny package. Saving space in crowded consumer units and saving time during installation.



1 Pole  
AVAILABLE  
JANUARY 2006

### DID YOU KNOW?

You can choose the Current Rating from the following:

6, 13A (10mA)  
plus 6, 10, 16, 20, 25,  
32, 40, 45A  
available as 30mA

Which would be a Protek RCBO with 2 Modules and an MCB Current rating of 32A with an RCD Tripping Current of 30mA with a B Tripping Curve.

RCBO 2 - 32 / 30 B

SIGNIFIES  
RCBO

No. OF  
POLES

CURRENT  
RATING  
OF MCB

TRIPPING  
CURRENT  
OF RCD

TRIPPING  
CURVE  
(B or C)



# isolators



## DID YOU KNOW?

**100%:** All Protek Isolators are Load-Break devices & are available from 32 to 250A in 1, 2, 3 or 4 Poles

**SECURE:** Tougher cable clamps & screws for lifelong security & confident installations

## PROTEK ISOLATORS

Shaped to perfectly compliment the Protek range of MCB's, RCD's & RCBO's the Protek Isolator gives the user a clearly identifiable main switch that benefits from secure din rail mounting, large 50mm cable carrying capacity & a reassuring switching action.

Use this simple guide to order any range of Isolator you require. With this product the only items you might want to adjust are the current ratings & number of Poles

Simply choose your rating and the No. of poles to order:

32, 63, 100, 125, 160, 200 & 250A

This would be a 2 pole Protek Isolator with a current rating of 100A

**ISS-100/2**

SIGNIFIES A PROTEK ISOLATOR

SIGNIFIES CURRENT RATING (32 to 125A)

SIGNIFIES THE No. OF POLES (1, 2, 3 or 4)

# mccb incomer

Shaped to perfectly compliment the Protek 3 Phase MCCB Distribution Board the Protek MCCB range offers a heavy duty range designed for the biggest jobs.

## Enclosure for Incomer

Each Incomer has its own specific enclosure. Part: MCSB100 - 800 (as depicted by Current Rating of Incomer)



## Connection Kits

Each MCCB also required a connection kit:

Up to 160A - Part: MCS160K

Up to 400A - Part: MCS400K

Up to 600A - Part: MCS600K

Up to 800A - Part: MCS800K



This would be a 3 Pole Protek MCCB Incomer with a Current Rating of 400A

MC

SIGNIFIES  
MCCB

3

SIGNIFIES  
3 POLE  
MCCB

P400

CURRENT  
RATING  
(100-800A)

# mccb outgoer



Not one for compromising safety, Protek  
Outgoing MCCB's are 25kA - Yet another  
benefit for choosing protek

This would be a 3 Pole Protek MCCB  
Outgoer with a Current Rating of 100A

**MC** **3** **P100**

SIGNIFIES  
MOULDED  
CASE

SIGNIFIES  
3 POLE  
MCCB

CURRENT  
RATING  
(16-160A)

Simply choose your rating and the No.  
of poles switched to order





# accessories

70

did you  
know?

Protek test 100% of its RCD's at Manufacture & prior to dispatch ensuring you only get the highest standard of product 100% of the time

## Bell Transformers

BT8-8  
BT-16  
BT-24

## (Din-rail mounting, two module)

8VA. Output Voltages of 4, 6 & 8V  
8VA. Output Voltages of 10, 12 & 16V  
8VA. Output Voltages of 12, 14 & 24V

## Modular Contactors

IKA20-20  
IKA25-40  
IK40-40  
IK63-40

## (Din-rail mounting)

230V Coil - 20A, 2 Pole, One Module  
230V Coil - 25A, 4 Pole, Two Module  
230V Coil - 40A, 4 Pole, Three Module  
230V Coil - 63A, 4 Pole, Three Module



BT-24 Bell Transformer

## Three Phase Accessories

N-DIS  
E-DIS  
1336-03-2  
SPCK  
MA16  
MA32

Neutral Disconnecter, 3 Phase, MCB Boards  
Earth Disconnecter, 3 Phase, MCB Boards  
Key operated 3 Phase MCB & MCCB Boards  
Single Phase Conversion Kit for 3 Phase MCB Boards  
16 Module Accessories Enclosure for Top or Bottom of 3 Phase MCB Boards  
32 Module Accessories Enclosure for Top or Bottom of 3 Phase MCB Boards (two bank)

## MCB Blank (Module Covers)

BL/1  
BL/3MC

Single Pole, Plastic Blanking Plate  
Triple Pole Moulded Case Steel Blanking Plate

## Timers

TOD24  
VODDTO

24Hr, Electro-mechanical, One Module Timer  
Electronic Timer. 110-240V variable. 0.1sec to 999hrs



IKA20-20 Contactor



IKA25-40 Contactor



IK40-40 Contactor

All Protek products adhere to strict British & European safety standards. Protek insists on only using the very best of the worlds most respected testing institutions & is certified by the likes of SEMKO, BSTS, CE and FIMKO to name but a few.

What does this mean to you? Well yet again it is proof that Protek is putting faith in our products by putting them up against the most vigorous and stringent of tests ensuring that our designs are more than just fit for the job - they are 100% safe at the same time.

## Dimensions

Information on Protek enclosure dimensions are available on the following pages.



## RCD

<b>TYPE</b>	RCD's
<b>STANDARD</b>	BSEN 61008
<b>CURRENT RATING</b>	25A to 100A
<b>TRIPPING RATING</b>	10mA to 500mA
<b>POLES</b>	2 & 4

## MCB

<b>TYPE</b>	MCB's
<b>STANDARD</b>	BSEN 60898
<b>CURRENT RATING</b>	1A to 63A
<b>CURVE RANGE</b>	10kA (B, C & D)
<b>POLES</b>	1, 2 & 3

## RCBO

<b>TYPE</b>	RCBO's
<b>STANDARD</b>	BSEN 61009
<b>CURRENT RATING</b>	6A to 45A
<b>TRIPPING RATING</b>	10mA & 30mA
<b>CURVE RANGE</b>	B, C & D
<b>POLES</b>	S, P & N

## MCCB

<b>TYPE</b>	MCCB
<b>STANDARD</b>	BSEN 60947-3
<b>CURRENT RATING</b>	100A to 800A Incomer 10A to 160A Outgoer
<b>POLES</b>	1, 3 & 4

## isolator

<b>TYPE</b>	Isolator
<b>STANDARD</b>	BSEN 60947-3
<b>CURRENT RATING</b>	32A to 250A
<b>POLES</b>	1, 2, 3 & 4



Part No.	SCL409	SCL414	SCL420
No. of Modules / Ways	9	14	20
IP Rating	40	40	40
Height (mm)	210	210	210
Width (mm)	245	315	445
Depth (mm)	110	110	110
Depth (mm)	1	1	1
No. of Banks	18	24	30
No. of Cutouts / Knockouts	Polystyrol	Polystyrol	Polystyrol
Construction / Material	White Body	White Body	White Body
Colour	Blue Screen	Blue Screen	Blue Screen
Packaging	Cardboard	Cardboard	Cardboard
Instructions / Literature (when used as a consumer unit)	Installation Guide, IEE Regulations Label, Installation Test Label, Way Labels, Caution on wiring colours leaflet		

supra

Part No.	CL602/4	CL608	CL612	CL618	CL624	CL636	CL654
No. of Modules / Ways	4	8	12	18	24	36	54
IP Rating	65	65	65	65	65	65	65
Height (mm)	194	194	194	259	384	409	559
Width (mm)	120	194	274	372	274	372	372
Depth (mm)	10	105	105	138	138	138	138
No. of Banks	1	1	1	1	2	2	3
No. of Cutouts / Knockouts	8	10	12	30	20	32	34
No. of Cutouts / Knockouts	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Construction / Material	Grey Body	Grey Body	Grey Body	Grey Body	Grey Body	Grey Body	Grey Body
Colour	Smoked Tinted	Smoked Tinted	Smoked Tinted	Smoked Tinted	Smoked Tinted	Smoked Tinted	Smoked Tinted
	Screen	Screen	Screen	Screen	Screen	Screen	Screen
Packaging	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard
Instructions / Literature (when used as a consumer unit)	Installation Guide, IEE Regulations Label, Installation Test Label, Way Labels, Caution on wiring colours leaflet						

phoenix

Part No.	CL212MF	CL216MF	CL224MF	CL232MF	CL248MF
No. of Modules / Ways	12	16	24	32	48
IP Rating	30	30	30	30	30
Height (mm)	224	234	380	380	524
Width (mm)	300	360	300	360	360
Depth (mm)	300	360	300	360	360
No. of Banks	1	1	2	2	3
No. of Cutouts / Knockouts	Gland Plates	Gland Plates	Gland Plates	Gland Plates	Gland Plates
Construction / Material	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
Colour	White Body	White Body	White Body	White Body	White Body
	White Plastic	White Plastic	White Plastic	White Plastic	White Plastic
	Door	Door	Door	Door	Door
Packaging	Epoxy Paint	Epoxy Paint	Epoxy Paint	Epoxy Paint	Epoxy Paint
Instructions / Literature (when used as a consumer unit)	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard
	Installation Guide, IEE Regulations Label, Installation Test Label, Way Labels, Caution on wiring colours leaflet				

merge

# Fe metal

Part No.	CL202M	CL204M	CL204ML	CL206M	CL211M	CL215M	CL222M	CL233M
No. of Modules / Ways	2	4	4	6	11	15	22	33
IP Rating	20	20	20	30	30	30	30	30
Height (mm)	200	200	250	200	200	200	312	465
Width (mm)	75	105	130	175	255	330	282	282
Depth (mm)	62	62	62	95	110	110	110	110
No. of Banks	1	1	1	1	1	1	2	3
No. of Cutouts / Knockouts	3	3	4	18	26	34	24	26
Construction / Material	Zintec Steel	Zintec Steel	Zintec Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
Colour	Light grey, No MCB Cover Powder Coat Cardboard	Light grey, No MCB Cover Powder Coat Cardboard	Light grey, No MCB Cover Powder Coat Cardboard	White Body Smoke Tint MCB Cover Epoxy Paint Cardboard	White Body Smoke Tint MCB Cover Epoxy Paint Cardboard	White Body Smoke Tint MCB Cover Epoxy Paint Cardboard	White Body Smoke Tint MCB Cover Epoxy Paint Cardboard	White Body Smoke Tint MCB Cover Epoxy Paint Cardboard
Packaging Instructions / Literature (when used as a consumer unit)	Installation Guide, IEE Regulations Label, Installation Test Label, Way Labels, Caution on wiring colours leaflet							

# titan Ag

Enclosure Size	R1	R2
No. of Poles Switched	2, 3 or 4	2, 3 or 4
Current Rating	10, 16, 20, 25 & 40A	50, 63, 80, 100 & 125A
IP Rating	65	65
Height (mm)	195	265
Width (mm)	115	165
Depth (mm)	120	120
No. of Cutouts / Knockouts	User Defined	User Defined
Construction / Material	Polystyrol	Polystyrol
Colour	Light Grey Body Yellow Lid, Red Handle Cardboard	Light Grey Body Yellow Lid, Red Handle Cardboard
Packaging		
Instructions / Literature	Installation Guide, IEE Regulations Label, Caution on wiring colours leaflet	

# metal rotary

	metal rotary switch				metal fused rotary switch			
Enclosure Size	(R3)	(R4)	(R5)	(R6)	(R4)	(R5)	(R6)	(R7)
No. of Poles Switched	2, 3 or 4	2, 3 or 4	2, 3 or 4	2, 3 or 4	2, 3 or 4	2, 3 or 4	2, 3 or 4	2, 3 or 4
Current Rating	10 - 40A	63 & 80A	100 & 125A	160, 200 & 250A	10 - 32A	40 - 100A	125 & 160A	200A
IP Rating	30	30	30	30	30	30	30	30
Height (mm)	185	250	400	550	250	400	550	700
Width (mm)	125	155	175	255	155	175	255	255
Depth (mm) - Including Handle	135	160	165	185	160	165	185	185
Locking Positions / Handle Interlock?	3 / YES	3 / YES	3 / YES	3 / YES	3 / YES	3 / YES	3 / YES	3 / YES
No. of Cutouts / Knockouts	6	6	Gland Plates	Gland Plates	6	Gland Plates	Gland Plates	Gland Plates
Construction / Material	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel
Colour	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard	Light Grey Body Powder Coated Cardboard
Packaging								
Instructions / Literature	Installation Guide, IEE Regulations Label, Installation Test Label, Way Labels, Caution on wiring colours leaflet							

Enclosure Size	F1
Current Rating	10, 16, 25, 32, 40, 50, 63, 80 & 100A
IP Rating	30
Height (mm)	250
Width (mm)	130
Depth (mm) - Including Handle	62
Locking Positions / Handle Interlock?	1
No. of Cutouts / Knockouts	4
Construction / Material	Zintec Steel
Colour	Light grey, No Cover, Powder Coat
Packaging	Cardboard
Instructions / Literature	Installation Guide, IEE Regulations Label, Installation Test Label, Caution on wiring colours leaflet

Board Part No.	TP4	TP6	TP8	TP12	TP16	TP24	SB400
No. of Modules / Ways	4x Triple Pole	6x Triple Pole	8x Triple Pole	12x Triple Pole	16x Triple Pole	24x Triple Pole	Spreader Box
Height (mm)	470	525	580	690	795	1010	400
Width (mm)	410	410	410	410	410	410	410
Depth (mm)	130	130	130	130	130	130	110
No. of Cutouts / Knockouts	Gland Plates	Gland Plates	Gland Plates	Gland Plates	Gland Plates	Gland Plates	Gland Plates
Construction / Material	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel
Colour	Light Grey	Light Grey	Light Grey	Light Grey	Light Grey	Light Grey	Light Grey
	Powder Coated	Powder Coated	Powder Coated	Powder Coated	Powder Coated	Powder Coated	Powder Coated
Packaging	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard
Instructions / Literature	Installation Guide, IEE Regulations Label, Installation Test Label, Way Labels, Caution on wiring colours leaflet						

Part No.	MC404 & MC804	MC406 & MC806	MC408 & MC808	MC412 & MC812	MC416 & MC816
No. of Modules / Ways	4x Triple Pole	6x Triple Pole	8x Triple Pole	12x Triple Pole	16x Triple Pole
Height (mm)	510	600	690	870	1050
Width (mm)	655	655	655	655	655
Depth (mm)	160	160	160	160	160
No. of Cutouts / Knockouts	Gland Plates	Gland Plates	Gland Plates	Gland Plates	Gland Plates
Construction / Material	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel	Zintec Steel
Colour	Light Grey Powder Coated	Light Grey Powder Coated	Light Grey Powder Coated	Light Grey Powder Coated	Light Grey Powder Coated
Packaging	Cardboard	Cardboard	Cardboard	Cardboard	Cardboard
Instructions / Literature	Installation Guide, IEE Regulations Label, Installation Test Label (RCD Specific), Way Labels, Caution on wiring colours, Spreader-Box Wiring Instructions				



# MCB'S

Protek Minature Circuit Breakers (MCB's) are current limiting Thermal/magnetic type with each part performing a different function:

## A) Small Overload Conditions

Overload currents that are light in nature are detected by a bi-metalic strip which bends at a rate dependant upon the size of the overload against a trip mechanism which will release contact after a pre-determined timescale.

## B) High Overload Conditions

when the overload current reaches a high enough level (dependant upon the current rating and tripping characteristics of the MCB) the current induces a magnetic flux within the coil sufficient to propel a plunger into the tripping mechanism with enough force to operate this mechanism and trip out the MCB.

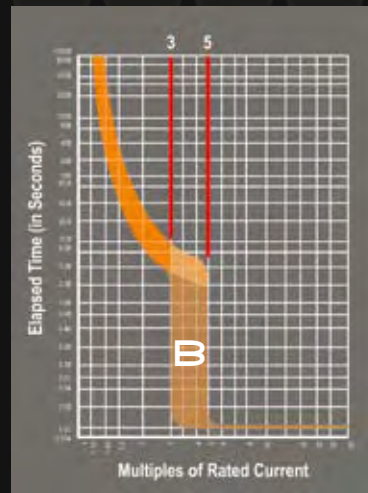
## C) Short Circuit Conditions

If a fault occurs that is high enough to be classed as a 'short circuit' then the current limiting mechanism comes into action. The fault current generates so much flux in the coil that the plunger is forced to move so fast and with so much force that it i) trips the mechanism and ii) forces the contacts open and therefore restricts the short circuit current. The arc generated between the contacts is quickly quenched by the 'Ark Grid' after it is forced to flow along the 'Arc Runners' into the Grid.

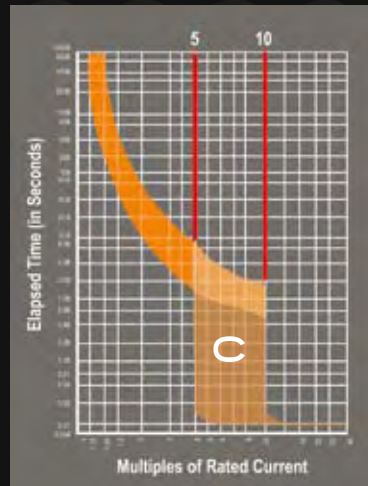


# tripping curves

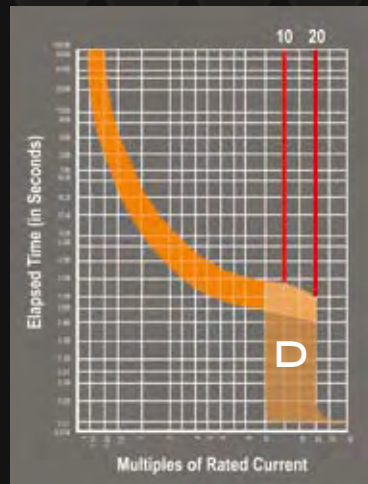
'B' Curve



'C' Curve



'D' Curve



Protek MCB's are available in B, C or D Curves for single Pole MCB's and in C & D Curves for Double and Triple Pole MCB's,

**ALL Protek MCB's are now rated at 10kA Short Circuit Capacity with Positive Contact Indication**

The tripping characteristics are displayed on the right and explained below;

**'B' Curve to BSEN 60898 (Magnetic Trip 3 to 5 Times In)**

Used in domestic situations where the maximum sensitivity is required and very little equipment with high start up current is required.

**'C' Curve to BSEN 60898 (Magnetic Trip 5 to 10 Times In)**

Used in commercial/light industrial situations where close protection is not required and start up currents of devices can run up to 5 times rated current or a short period. Also if many low voltage lights are used in a domestic situation then, due to the inrush currents of the transformers type 'C' MCB's may be required to avoid nuisance tripping.

**'D' Curve to BSEN 60898 (Magnetic Trip 10 to 20 Times In)**

Used in industrial situations where start-up currents may be 10 times rated current, for example protection for machines with electric motors fitted, large installation with a high volume of low voltage lighting may also require 'D' Curve.

# RCD'S

## Residual Current Devices (RCD's)

An RCD is the term that describes a device that opens the protected circuit when the detected residual current exceeds that of the preset value of the RCD. Under normal 'healthy' circuit conditions with all conductors passing through the current transformer (built into RCD, 2 & 4 Pole) the vector sum of the current values will be zero. When a fault occurs between any phase or neutral and earth regardless of load, this will give rise to a residual current which will be detected by the RCD. When this residual current exceeds the 'Tripping Current' (aka: sensitivity of the RCD) the RCD will operate and open the circuit. It is most important to connect all Line and Neutral conductors through the RCD as one of the most common causes of nuisance operation is not connecting all the conductors through and RCD.

**Three types of RCD are produced. Each with a specific use:**

**Type AC** - Tripping is ensured for residual sinusoidal alternating currents, whether the fault is suddenly applied or is a slowly rising fault.

**Type A** - Tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents whether the fault is suddenly applied or is a slowly rising fault.

**Type S** - Tripping Devices with built in 'Time Delay' for selectivity within circuits having more than one RCD in line.





