

IS-3P-20A | IS-3P-20A-S | IS-3P-32A  
 IS-3P-32A-S | IS-3P-40A | IS-3P-63A  
 IS-4P-20A | IS-4P-20A-S | IS-4P-32A  
 IS-4P-32A-S | IS-4P-40A | IS-4P-63A

ISOLATOR SWITCH

## INFORMATION SHEET



## ISOLATOR SWITCHES (3 AND 4-POLE)

Please read these instructions completely before starting any work. Any personnel installing, commissioning and maintaining these switches should be a qualified and competent electrician in accordance with current electrical codes of practice (IEE regulations BS 7671). Any statutory or specific instructions to be issued by the company.

This switch can be used to distribute:  
 2 supplies to 1 load or 1 supply to feed 1 or 2 loads (e.g. duty / standby).

This switch complies with EN60947-3, classified as a switch - disconnecter.

For detailed ratings refer to the label on the switch body.  
 Ingress protection - IP65.

The appropriately rated glands must be used to maintain the IP integrity of the enclosure.

All isolators are housed in a polycarbonate case.

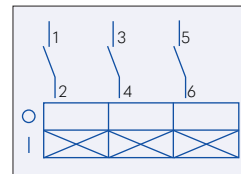
## MODELS

MODEL	PART NO. 3-POLE	PART NO. 4-POLE
20A small	IS-3P-20A-S	IS-4P-20A-S
32A small	IS-3P-32A-S	IS-4P-32A-S
20A	IS-3P-20A	IS-4P-20A
32A	IS-3P-32A	IS-4P-32A
40A	IS-3P-40A	IS-4P-40A
63A	IS-3P-63A	IS-4P-63A

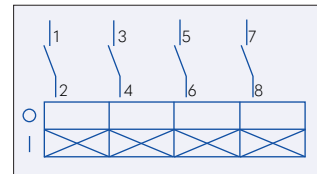
## WIRING DIAGRAM

SCHÉMA DE CÂBLAGE AANSLUITSHEMA  
 SCHALTPLAN DIAGRAMA DE CABLEADO

3 POLE  
 3 PÔLES  
 3 POLE  
 3-POLIG  
 3 POLOS



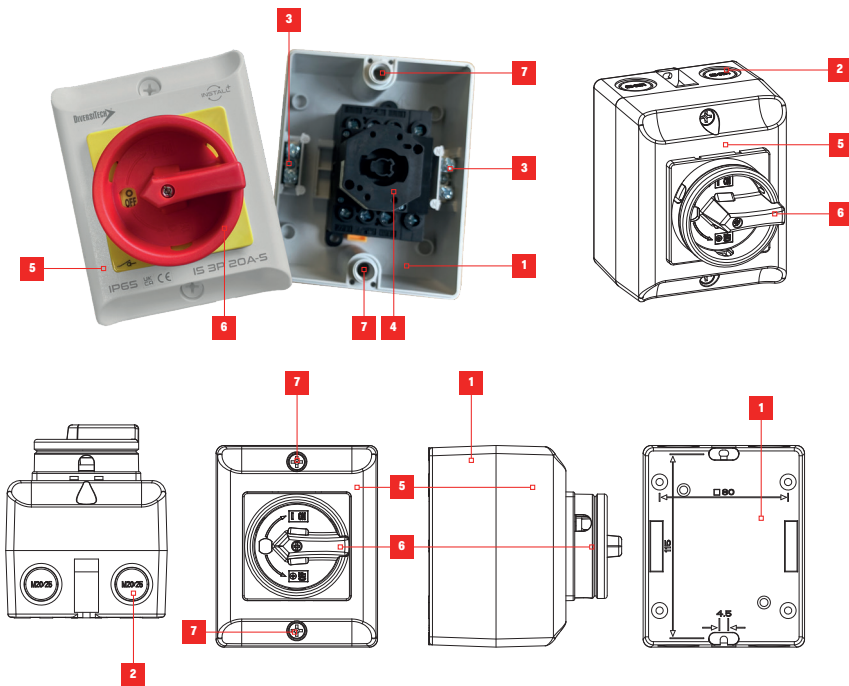
4 POLE  
 4 PÔLES  
 4 POLE  
 4-POLIG  
 4 POLOS



## SPECIFICATION

MODEL	W x H x D (mm)	Cable entry	MAX cable size (mm <sup>2</sup> )
IS-20/32A-S	125 x 100 x 120	4 x M20/M25	10
IS-20/32/40/63A	175 x 114 x 135	4 x M20/M25	10





- 1** BACK HOUSING  
LOGEMENT ARRIÈRE  
RÜCKWANDGEHÄUSE  
ACHTERZIJDE BEHUIZING  
CARCASA TRASERA
- 2** KNOCKOUTS  
OUVERTURES  
KNOCKOUTS  
UITSTOTER  
PREPUNZONADOS
- 3** TERMINAL BLOCK X 2  
BORNERS X 2  
KLEMMLEISTE X 2  
KLEMBLOK X 2  
BLOQUE DE TERMINALES X 2
- 4** SWITCH BLOCK  
BLOC-COMMUTEURS  
SCHALTERBLOCK  
SCHAKELPANEEL  
BLOQUE DE INTERRUPTORES
- 5** FRONT HOUSING  
LOGEMENT AVANT  
VORDERWANDGEHÄUSE  
VOORZIJDE BEHUIZING  
CARCASA FRONTAL
- 6** ROTARY SWITCH  
COMMUTEUR ROTATIF  
DREHSCHALTER  
DRAAISCHAKELAAR  
INTERRUPTOR ROTATORIO
- 7** HOUSING SCREWS  
VIS DE LOGEMENT  
GEHÄUSESCHRAUBEN  
BEHUIZINGSSCHROEVEN  
TORNILLOS DE CARCASA

- NOTE:**
- Rawl plug and screw fix x4 (Max. recommended size: M5). Drill minimum clearance holes.
  - Rawl brancher et visser correctif x4 (Max. Recommandé taille : M5). Percer des trous de dégagement de taille minimale.
  - Dübel und Schraube fix x4 (Max. Empfohlen Größe : M5). Löcher in Mindestabstand bohren.
  - Rawl plug en schroef fix x4 (Max. Aanbevolen grootte : M5). Minimale doorlopende boorgaten.
  - Rawl enchufe y el tornillo x4 fix (Máx. Recomendado tamaño : M5). Separación mínima entre agujeros taladrados.
  - Operational temperature range: -5°C to 40°C /
  - Plage de températures de fonctionnement : -5 °C à 40 °C /
  - Betriebstemperaturbereich: -5 °C bis 40 °C /
  - Bedrijfstemperatuurbereik: -5°C tot 40°C /
  - Rango de temperatura de operación: de -5 °C a 40 °C

MODEL	IS-3P-20A IS-3P-20A-S	IS-3P-32A IS-3P-32A-S	IS-3P-40A	IS-3P-63A	IS-4P-20A IS-4P-20A-S	IS-4P-32A IS-4P-32A-S	IS-4P-40A	IS-4P-63A
Number of poles / Nombre de pôles / Anzahl Pole / Aantal polen / Número de polos	3	3	3	3	4	4	4	4
Rated insulation voltage (Ui) (V) / Tension d'isolation nominale (Ui) (V) / Bemessungsisolationsspannung (Ui) (V) / Toegekende isolatiespanning (Ui) (V) / Tensión nominal de aislamiento (Ui) (V)	690	690	690	690	690	690	690	690
Rated impulse withstand voltage (Uimp) (kV) / Tension nominale de tenue au choc (Uimp) (kV) / Nennstohßspannung (Uimp) (kV) / Toegekende impulsweerstandspanning (Uimp) (kV) / Tensión nominal de resistencia a impulsos (Uimp) (kV)	4	4	4	4	4	4	4	4
Rated frequency (Hz) / Fréquence nominale (Hz) / Nennfrequenz (Hz) / Toegekende frequentie (Hz) / Frecuencia nominal (Hz)	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Conventional free air thermal current (Ith) (A) / Courant thermique permanent à l'air libre (Ith) (A) / Konventioneller thermischer Strom in freier Luft (Ith) (A) / Conventionele standaard thermische stroom (Ith) (A) / Corriente térmica convencional al aire libre (Ith) (A)	20	32	40	63	20	32	40	63
Conventional enclosed thermal current (Ithe) (A) / Courant thermique permanent sous boîtier (Ithe) (A) / Konventioneller thermischer Strom vollständig gekapselt (Ithe) (A) / Conventionele thermische stroom in behuizing (Ithe) (A) / Corriente térmica convencional incluida (Ithe) (A)	20	32	40	63	20	32	40	63
Rated operational current (Ie) (A) AC-21 415V / Courant nominal de fonctionnement (Ie) (A) AC-21 415V / Nennbetriebsstrom (Ie) (A) AC-21 415 V / Toegekende gebruikstroom (Ie) (A) AC-21 415V / Corriente nominal de operación (Ie) (A) CA-21 415V	20	32	40	63	20	32	40	63
Rated power Pe (kW) AC23A / Puissance nominale PE (kW) AC23A / Nennleistung Pe (kW) AC23A / Toegekend vermogen Pe (kW) AC23A / Potencia nominal Pe (kW) CA23A	5.5	11	15	18.5	5.5	11	15	18.5
Rated short time withstand current (Icw) (Is) (A) / Courant nominal de courte durée admissible (Icw) (Is) (A) / Nenn-Kurzzeit-Stehstrom (Icw) (Is) (A) / Toegelaten korteduurstroom (Icw) (Is) (A) / Corriente nominal soportable de corta duración (Icw) (Is) (A)	500	500	800	800	500	500	800	800
Rated short circuit making capacities (Icm) (A) / Pouvoir nominal de fermeture de court-circuit (Icm) (A) / Bemessungskurzschlussleistungsfähigkeit (Icm) (A) / Nominale kortsluitingsvermogens (Icm) (A) / Poder asignado de cierre en cortocircuito (Icm) (A)	705	705	1128	1128	705	705	1128	1128
Electrical endurance (number of operations) / Endurance électrique (nombre d'opérations) / Schaltstücklebensdauer (Schaltzahl) / Elektrische levensduur (aantal bedieningen) / Resistencia eléctrica (número de operaciones)	3000	3000	3000	3000	3000	3000	3000	3000
Mechanical endurance (number of operations) / Endurance mécanique (nombre d'opérations) / Mechanische Lebensdauer (Schaltzahl) / Mechanische levensduur (aantal bedieningen) / Resistencia mecánica (número de operaciones)	50000	50000	50000	50000	50000	50000	50000	50000
Terminal size Cu(mm²) Diameter of screw thread / Taille de la borne Cu(mm²) Diamètre du filetage de vis / Klemmgröße Cu(mm²) Durchmesser Schraubengewinde / Klemomvang Cu(mm²) Diameter van schroefdraad / Tamaño de terminal Cu(mm²) Diámetro de la rosca de tornillo	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Cable cross sections: Flexible type (mm²) / Sections de câble : type de câble flexible (mm²) / Leitungsquerschnitte: Flexibles Modell (mm²) / Kabelwarsdoorsnedes: Buigzaam type (mm²) / Secciones de cable: Tipo flexible (mm²)	6.0-10.0	6.0-10.0	6.0-16.0	6.0-16.0	6.0-10.0	6.0-10.0	6.0-16.0	6.0-16.0
Cable cross sections: Rigid type (mm²) / Sections de câble : type de câble rigide (mm²) / Leitungsquerschnitte: Starres Modell (mm²) / Kabelwarsdoorsnedes: vaste type (mm²) / Secciones de cable: Tipo rígido (mm²)	6.0-10.0	6.0-10.0	6.0-16.0	6.0-16.0	6.0-10.0	6.0-10.0	6.0-16.0	6.0-16.0

FOR FURTHER INSTALLATION ADVICE PLEASE CALL THE TECHNICAL SUPPORT HELPLINE ON +44 (0)115 900 5858.