



ISOLATORS-TP SERIES

EMC VERSIONS



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ISOLATORS-TP Series

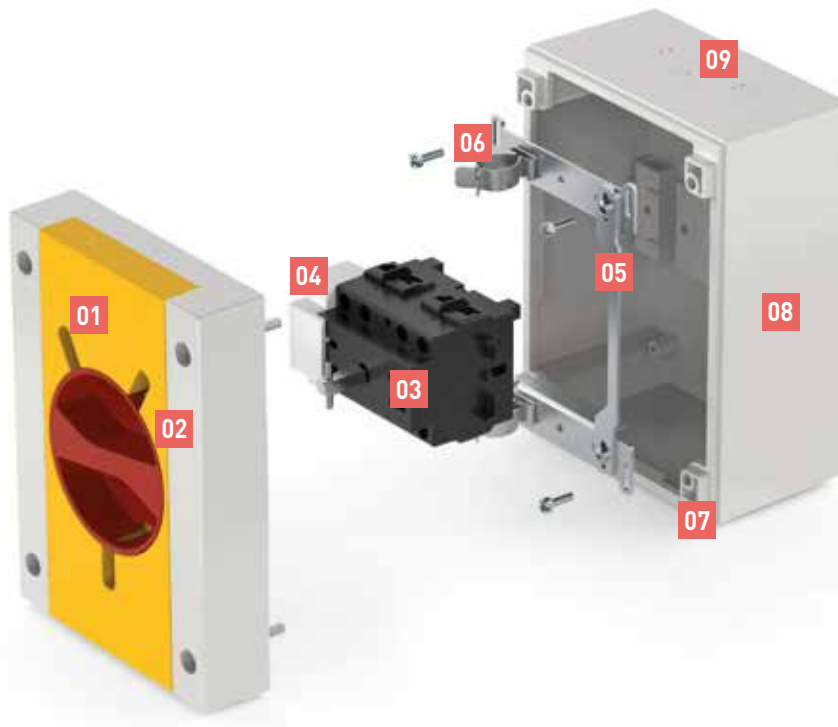
ISOLATORS-TP is a complete range of switch-disconnectors with highly resistant thermoplastic enclosure and is suitable for most industrial and tertiary applications, thanks to the high degree of protection IP66/IP69 which allows it to be installed even in the presence of water jets high pressure and high temperature.

The high-visibility, fully recessed knob of extra large dimensions ensures an always optimal grip and prevents damage caused by any accidental impacts. The base is reversible with threaded inlets or drilling centers.

The large internal wiring space and the external fixing points ensure easy and error-proof installation. The EMC versions are equipped with a metal plate and EMC clips that allow to maintain the electrical continuity of the cable shielding.

Technical information

Main characteristics



EMC SHIELDING

05

The need to protect the electrical system and all the surrounding electronic devices and instruments is increasing due to the fact the starter and speed control of three-phase motors is becoming more and more common via variable frequency driver (VFD) or variable speed drives or (VSD), that can cause strong EMC disturbances.

The inner switch-disconnector is equipped with early break change over auxiliary contacts (NO/NC) which send the command to switched off VFD before the main contacts of the switch open to avoid unwanted overvoltage which can damage the VFD.

- 01 Door locking with handle in the ON position
- 02 Handle padlockable in the OFF (emergency use) and ON and OFF (general use) position
- 03 AC23 switch with the possibility of double auxiliary contact
- 04 Early make auxiliary contacts
- 05 Continuity plate for EMC cable shielding
- 06 EMC clips for connecting the cable shield to the continuity plate
- 07 Knockout cable entries
- 08 Reversible base
- 09 Blank side with drilling point marks

EMC >> FOR GENERAL USE



Type: GENERAL

Current	Poles	Switch size	IP	Dimensions	Cable shield diameter min-max	Clips number	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm	9-12 mm	4		590.CGE1606 ^{1) 2) 3)}	1/5
20A	3P	Y1	IP66/IP69	110x150x87mm	9-12 mm	2		590.CGE2013 ^{1) 2) 3)}	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm	9-12 mm	4		590.CGE2506 ^{1) 2) 3)}	1/5
32A	3P	Y1	IP66/IP69	110x150x87mm	11-17 mm	2		590.CGE3213 ^{1) 2) 3)}	1/12
	6P	Y3	IP66/IP69	160x220x115mm	11-17 mm	4		590.CGE3206 ^{1) 2) 3)}	1/5
40A	3P	Y1	IP66/IP69	110x150x87mm	18-22 mm	2		590.CGE4013 ^{1) 2) 3)}	1/12
	6P	Y3	IP66/IP69	160x220x115mm	18-22 mm	4		590.CGE4006 ^{1) 2) 3)}	1/5
63A	3P	Y2	IP66/IP69	160x220x115mm	18-22 mm	2		590.CGE6303 ^{1) 2) 3)}	1/5
	6P	Y4	IP66/IP69	240x340x137mm	18-22 mm	4		590.CGE6306 ^{1) 2) 3)}	1
80A	3P	Y2	IP66/IP69	160x220x115mm	22-30 mm	2		590.CGE8003 ^{1) 2) 3)}	1/5
	6P	Y4	IP66/IP69	240x340x137mm	22-30 mm	4		590.CGE8006 ^{1) 2) 3)}	1
100A	3P	Y4	IP66/IP69	160x220x115mm	22-30 mm	2		590.CGE10003 ^{1) 2) 3)}	1/5
	6P	Y4	IP55	308x388x128mm	22-30 mm	4		590.CGE10006 ^{1) 2) 3)}	1
125A	3P	Y5	IP66/IP69	240x340x137mm	30-37 mm	2		590.CGE12503 ^{1) 2) 3)}	1
	6P	Y5	IP55	308x388x128mm	30-37 mm	4		590.CGE12506 ⁴⁾	1
160A	3P	Y5	IP66/IP69	240x340x137mm	30-37 mm	2		590.CGE16003 ^{1) 2) 3)}	1
	6P	Y5	IP55	308x388x128mm	30-37 mm	4		590.CGE16006 ⁴⁾	1

EMC (Electromagnetic Compatibility) compliant connection.
Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position.

¹⁾ Blank side with drilling point marks on top side base.

²⁾ Break-through cable entries on bottom side base.

³⁾ Reversible base.

⁴⁾ Blank sides.

EMC >> FOR EMERGENCY USE



Type: EMERGENCY

Current	Poles	Switch size	IP	Dimensions	Cable shield diameter min-max	Clips number	Colour	Code	
16A	6P	Y3	IP66/IP69	160x220x115mm	9-12 mm	4		590.CEM1606 ^{1) 2) 3)}	1/5
20A	3P	Y1	IP66/IP69	110x150x87mm	9-12 mm	2		590.CEM2013 ^{1) 2) 3)}	1/12
25A	6P	Y3	IP66/IP69	160x220x115mm	9-12 mm	4		590.CEM2506 ^{1) 2) 3)}	1/5
32A	3P	Y1	IP66/IP69	110x150x87mm	11-17 mm	2		590.CEM3213 ^{1) 2) 3)}	1/12
	6P	Y3	IP66/IP69	160x220x115mm	11-17 mm	4		590.CEM3206 ^{1) 2) 3)}	1/5
40A	3P	Y1	IP66/IP69	110x150x87mm	18-22 mm	2		590.CEM4013 ^{1) 2) 3)}	1/12
	6P	Y3	IP66/IP69	160x220x115mm	18-22 mm	4		590.CEM4006 ^{1) 2) 3)}	1/5
63A	3P	Y2	IP66/IP69	160x220x115mm	18-22 mm	2		590.CEM6303 ^{1) 2) 3)}	1/5
	6P	Y4	IP66/IP69	240x340x137mm	18-22 mm	4		590.CEM6306 ^{1) 2) 3)}	1
80A	3P	Y2	IP66/IP69	160x220x115mm	22-30 mm	2		590.CEM8003 ^{1) 2) 3)}	1/5
	6P	Y4	IP66/IP69	240x340x137mm	22-30 mm	4		590.CEM8006 ^{1) 2) 3)}	1
100A	3P	Y4	IP66/IP69	160x220x115mm	22-30 mm	2		590.CEM10003 ^{1) 2) 3)}	1/5
	6P	Y4	IP55	308x388x128mm	22-30 mm	4		590.CEM10006 ^{1) 2) 3)}	1
125A	3P	Y5	IP66/IP69	240x340x137mm	30-37 mm	2		590.CEM12503 ^{1) 2) 3)}	1
	6P	Y5	IP55	308x388x128mm	30-37 mm	4		590.CEM12506 ⁴⁾	1
160A	3P	Y5	IP66/IP69	240x340x137mm	30-37 mm	2		590.CEM16003 ^{1) 2) 3)}	1
	6P	Y5	IP55	308x388x128mm	30-37 mm	4		590.CEM16006 ⁴⁾	1

EMC (Electromagnetic Compatibility) compliant connection.
Handle padlockable in OFF position only (3 padlocks).

¹⁾ Blank side with drilling point marks on top side base.

²⁾ Break-through cable entries on bottom side base.

³⁾ Reversible base.

⁴⁾ Blank sides.

ZP01270-EN-1
8 001636 4 17288

SCAME
feeling connected

SCAME PARRE S.p.A.
Via Costa Erta, 15 - 24020 Parre (BG) Italy
Tel. +39 035 705000



www.scame.com
export@scame.com

